C
C333 na H
1917/18

Centre College Bulletin

Series 1 MARCH, 1918 Vol. XIII, No. 1

THE LIBRARY OF THE
SEP 19 1927
UNIVERSITY OF ILLINOIS

CATALOGUE
NUMBER

1917-1918

Centre College Bulletin

SERIES ONE VOLUME XIII No. 1

THE ANNUAL CATALOGUE

For the Academic year of 1917-1918 with announcements for the year 1918-1919. ∴ ∴

DANVILLE, KENTUCKY,
MARCH, 1918

Published Quarterly by the Central University, and entered at the Post Office, Danville, Kentucky, as second-class matter under Act of Congress of July 16, 1894.

Digitized by the Internet Archive
in 2012 with funding from
University of Illinois Urbana-Champaign

http://archive.org/details/annualcatal1718cent

CONTENTS

Correspondence ---- 5
Foreword ---- 6
The Board of Trustees ---- 9
Standing Committees of the Board ---- 10
Officers of Administration ---- 10
Calendar of Centre College ---- 13
Faculty of Centre College ---- 14
Standing Committees of the Faculty ---- 15
General Information ---- 17
Two-fold Purpose of the College ---- 17
Location at Danville ---- 18
Boarding and Dormitory Facilities ---- 19
Expenses ---- 21
Scholarships ---- 24
Student Organizations ---- 24
College Buildings ---- 27
Laboratories and Museum ---- 29
Attendance, Examination, and Standing ---- 32
Conditions ---- 33
Absences and Excuses ---- 34
Prizes ---- 35
Admission to Centre College ---- 36
List of Accredited Schools ---- 38
Entrance Requirements ---- 44
Requirements for Degrees—
Bachelor of Arts ---- 54
Bachelor of Science ---- 54
Master of Arts ---- 56

Courses of Instruction—
Biblical History and Literature 58
Biology and Geology 58
Chemistry 60
English Language and Literature 61
Greek 63
History 65
Latin 66
Mathematics 67
Astronomy 68
Modern Languages 69
Philosophy and Education 72
Physical Education 73
Physics 75
Political Economy and Political Science 77
Degrees Conferred, June, 1917 79
Prizemen 79
Students 80

CORRESPONDENCE.

Requests for catalogues and other publications of Centre College, inquiries concerning entrance requirements, applications for scholarships, and correspondence in regard to general matters of business should be addressed to the President.

FOREWORD

Although Centre College entered upon its corporate life in 1819, the seed from which the life developed must be sought forty years earlier. Formal education in Kentucky began in 1780, when the Legislature of Virginia granted a charter and 10,000 acres of land to a school to be established in the province of Kentucky. In accordance with this act, Transylvania Academy was opened in Danville in 1785. It was moved to the larger town of Lexington in 1788. The leaders in the securing of the charter were Presbyterians, and the teacher, both at Danville and at Lexington, was a Presbyterian minister. When, therefore, in 1794, this teacher was ejected and a man of a different denomination installed, the Presbytery of Transylvania felt that it had been unjustly treated, and proceeded immediately, with contributions of money from Kentucky and the East, to found an institution at Pisgah under the name of Kentucky Seminary. About $15,000 was raised, among the contributors of which were George Washington and John Adams, each of whom gave one hundred dollars. The seminary grew rapidly. In a short time, after overtures from the older academy, the two were united under the name of Transylvania University. By 1817 Transylvania University had gradually passed from Presbyterian control. It was then that the Presbyterians of Kentucky sought a charter for Centre College, to renew in Danville the first educational foundation made in the State. The Legislature granted the charter in 1819.

Centre College is, therefore, one of the oldest institutions of higher education in Kentucky, or in the

South, having graduated the first class as early as 1824. The College has prosecuted its work successfully and without interruption from that day to the present. Not a year has passed in which it has not sent out graduates.

Central University was organized at Richmond, Kentucky, under a charter granted by the Legislature, March 3, 1873, providing for the establishment of an institution of the highest order, on the university plan. Under this plan, professional Colleges of Law, Medicine and Dentistry, and three preparatory schools were established, in addition to the College of Philosophy, Letters and Science.

In 1901, these two institutions were legally consolidated under the corporate name of "Central University of Kentucky," with agreement and provision to "continue the College at Danville for instruction in Literature and in the Arts and Sciences, the same to be known as THE CENTRE COLLEGE OF KENTUCKY."

For several years the catalogue of all the departments was published in one volume, containing the full record of Central University. In recent years a separate bulletin has been published for each school. This volume is the annual catalogue of Centre College.

At the close of the ninety-fourth Commencement, in 1917, this College had granted degrees to one thousand, nine hundred and sixty-three Bachelors of Arts or of Science. A gratifyingly large number of the Alumni have attained prominence in the various walks of life.

The College has always been small in number of students, but has maintained a high standard of scholarship, a very strong faculty and complete equipment for college work, and has had marked success in inspir-

ing young men with ambitions and ideals for noble living and useful service.

Centre College has educated twenty-five College Presidents, more than fifty College Professors, twenty-nine Representatives in Congress, five United States Senators, ten Governors of States, two Vice Presidents of the United States, one Justice of the Supreme Court of the United States, forty-nine Circuit Judges, nine Moderators of the General Assemblies of the Presbyterian Churches, and a very large number of men who have been successful in the professions of Law, Medicine, Teaching and the Ministry.

The Presbyterian Churches have, for nearly a century, received into their ranks many gifted ministers and workers from the students and graduates of Centre College and Central University, and, since the consolidation in 1901, from The Centre College at Danville, Kentucky. Affiliated with Centre College and under direction of the Board of Trustees of Central University are Centre College Academy at Danville, Kentucky, and the Louisville College of Dentistry at Louisville, Kentucky.

Bulletins and information pertaining to the Academy may be obtained from Principal L. C. Bosley, Danville, Kentucky, and, for the Dental College, from Dr. W. E. Grant, Dean, Louisville College of Dentistry, Louisville, Kentucky.

Central University of Kentucky

OFFICERS

WILLIAM ARTHUR GANFIELD, A. M., D. D., LL. D.
President of the University

J. A. CHEEK, Esq.
Treasurer

BOARD OF TRUSTEES

Term Expires 1918

Rev. E. L. WARREN, D. D.	Louisville
C. C. Fox, Esq.	Danville
Hon. JOHN W. YERKES, LL. D.	Danville
Rev. DAVID M. SWEETS, D. D.	Louisville
Rev. HUGH LEITH, D. D.	Covington
GIBNEY OSCAR LETCHER, A. M.	Henderson

Term Expires 1919

Rev. JOHN BARBOUR, D. D.	Maysville
HENRY CLAY READ, Esq.	Fort Smith, Ark.
A. J. A. ALEXANDER, M. D.	Spring Station
Rev. J. G. HUNTER, D. D.	Harrodsburg
RICHARD ERNST, Esq.	Covington
GEORGE W. WELSH, Esq.	Danville

Term Expires 1920

Rev. CHARLES R. HEMPHILL, D. D.	Louisville
JOHN STITES, Esq.	Louisville
J. RICE COWAN, M. D.	Danville
Rev. J. S. LYONS, D. D.	Atlanta, Ga.
W. L. THRELKELD, Esq.	Lexington
Hon. J. T. TUNIS	Lexington

Term Expires 1921

HUGH B. FLEECE, Esq.	Louisville
PHILIP F. BARBOUR, M. D.	Louisville
C. D. GATES, Esq.	Louisville
Rev. R. E. DOUGLAS, D. D.	Macon, Ga.
Col. C. E. HOGE	Frankfort
J. A. CHEEK, Esq.	Danville

OFFICERS OF THE BOARD OF TRUSTEES

A. J. A. ALEXANDER, M. D., *Chairman* Spring Station
J. A. CHEEK, Esq. *Secretary and Treasurer* Danville

STANDING COMMITTEES OF THE BOARD OF TRUSTEES

The President of the University is ex-officio member of all Committees.

Executive Committee

G. W. WELSH, *Chairman.*
W. L. THRELKELD, C. R. HEMPHILL, CHAS. C. FOX, J. A. CHEEK, D. M. SWEETS, A. J. A. ALEXANDER.

Finance Committee.

JOHN W. YERKES, *Chairman.*
CHAS. C. FOX, G. W. WELSH, JOHN STITES, J. A. CHEEK.

Buildings and Grounds

G. W. WELSH, *Chairman*
CHAS. C. FOX, H. B. FLEECE, J. R. COWAN.

Morals and Discipline

R. E. DOUGLAS, *Chairman.*
G. W. WELSH, J. R. COWAN.

Curriculum

JOHN BARBOUR, *Chairman.*
H. C. READ, E. L. WARREN.

OFFICERS OF ADMINISTRATION

WILLIAM ARTHUR GANFIELD, A. M., D. D., LL. D.
President of the University

JOHN W. REDD, A. M. LL. D.
Dean of Centre College

JOHN ADAMSON CHEEK, Esq.
Treasurer

CHARLES GRAHAM CROOKS, A. M., LL. D.
Registrar of Centre College

DANIEL LINDSEY THOMAS, PH. D.
Secretary of the Faculty of Centre College

LIDA DUKE WOODS
Assistant Treasurer and Secretary to the President

ELIZABETH A. FALES
Assistant in the Library

The Centre College
of Kentucky

CALENDAR 1918

JANUARY

S	M	T	W	T	F	S
..	..	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	..	..
..	..	..	..	..	..	..

FEBRUARY

S	M	T	W	T	F	S
..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	..	..
..	..	..	..	..	..	..

MARCH

S	M	T	W	T	F	S
..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	..	..	..	..	..	..

APRIL

S	M	T	W	T	F	S
..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	..	..	..	..
..	..	..	..	..	..	..

MAY

S	M	T	W	T	F	S
..	..	..	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	..
..	..	..	..	..	..	..

JUNE

S	M	T	W	T	F	S
..	..	..	..	..	..	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	..	..	..	..	..	..

JULY

S	M	T	W	T	F	S
..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	..	..	..
..	..	..	..	..	..	..

AUGUST

S	M	T	W	T	F	S
..	..	..	..	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
..	..	..	..	..	..	..

SEPTEMBER

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	..	..	..	..	..
..	..	..	..	..	..	..

OCTOBER

S	M	T	W	T	F	S
..	..	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	..	..
..	..	..	..	..	..	..

NOVEMBER

S	M	T	W	T	F	S
..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
..	..	..	..	..	..	..

DECEMBER

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	..	..	..	..
..	..	..	..	..	..	..

CALENDAR 1919

JANUARY

S	M	T	W	T	F	S
..	..	..	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	..
..	..	..	..	..	..	..

FEBRUARY

S	M	T	W	T	F	S
..	..	..	..	..	..	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	..
..	..	..	..	..	..	..

MARCH

S	M	T	W	T	F	S
..	..	..	..	..	..	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	..	..	..	..	..

APRIL

S	M	T	W	T	F	S
..	..	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	..	..	..
..	..	..	..	..	..	..

MAY

S	M	T	W	T	F	S
..	..	..	..	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
..	..	..	..	..	..	..

JUNE

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	..	..	..	..	..
..	..	..	..	..	..	..

JULY

S	M	T	W	T	F	S
..	..	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	..	..
..	..	..	..	..	..	..

AUGUST

S	M	T	W	T	F	S
..	..	..	..	..	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	..	..	..	..	..	..

SEPTEMBER

S	M	T	W	T	F	S
..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	..	..	..	..
..	..	..	..	..	..	..

OCTOBER

S	M	T	W	T	F	S
..	..	..	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	..
..	..	..	..	..	..	..

NOVEMBER

S	M	T	W	T	F	S
..	..	..	..	..	..	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	..	..	..	..	..	..

DECEMBER

S	M	T	W	T	F	S
..	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	..	..	..
..	..	..	..	..	..	..

THE
CENTRE COLLEGE OF KENTUCKY

CALENDAR

1918	
February 4	Second semester begins.
May 18	Last day for receiving theses of candidates for the degree of Master of Arts.
June 3-8	Final examinations.
June 9	Baccalaureate Sermon, 11 A. M.
June 11	Class-day Exercises, 10 A. M.
June 12	Meeting of Trustees, 9:30 A. M.
June 13	Ninety-fifth Annual Commencement, 10 A. M.
June 14	Summer vacation begins.
September 11	First semester begins. Examination and registration of students.
November 28-30	Thanksgiving recess.
December 19	Christmas recess begins, 4 P. M.
1919	
January 2	Recitations resumed, 8 A. M.
January 17	Ernst Debate.
Jan. 27-Feb. 1	Semester examinations.
February 3	Second semester begins, 8 A. M.
June 12	Ninety-sixth Annual Commencement.

THE CENTRE COLLEGE OF KENTUCKY

FACULTY

WILLIAM ARTHUR GANFIELD, A. M,. D. D., LL. D. President's House
President; Professor of Political Science and Sociology

JOHN W. REDD, A. M., LL. D. 243 N. Third Street
Dean; Professor of Greek Language and Literature

ALFRED BRIERLY NELSON, A. M., M. D. 413 W. Lexington Street
Professor of Mathematics, Emeritus; on the Carnegie Foundation

SAMUEL ROBERTSON CHEEK, A. M. 120 E. Lexington Street
Professor of Latin Language and Literature

CHARLES GRAHAM CROOKS, A. M., LL. D. 346 N. First street
Registrar; Henry Bell Walters, Professor of Mathematics

FRANK LEWIS RAINEY, S. B. 424 W. Broadway
Professor of Biology and Geology

NEWLAND FARNSWORTH SMITH, PH. D. 401 Maple Avenue
Professor of Physics

DANIEL LINDSEY THOMAS, PH. D. N. Third Street
Professor of English

HENRY MEIER, PH. D. N. Third Street
Professor of Modern Languages

THEODORE GREGORY GRONERT, PH. D. Breckinridge Hall
Professor of History and Economics

WALTER HATHERAL COOLIDGE, PH. D. 125 N. Third Street
Professor of Chemistry

HORACE GREELY TURNER, A. M. S. Fourth Street
Professor of Philosophy

HERBERT L. GREEN, B. S. College Campus
Instructor in Physical Education

ROBERT LEE MYERS, A. B. Breckinridge Hall
Athletic Coach

LIDA DUKE WOODS N. Third Street
Secretary to the President

ELIZABETH A. FALES — W. Lexington Street
Assistant in the Library

HARVEY JOHNSON ALEXANDER — Breckinridge Hall
Assistant in the Library

STANDING COMMITTEES OF THE FACULTY

The President of the College is ex-officio member of all Committees.

UNDERGRADUATE STUDIES
PROFESSORS CHEEK, RAINEY, CROOKS.

GRADUATE STUDIES
PROEESSORS MEIER, THOMAS, SMITH.

ATHLETICS
PROFESSORS RAINEY, GRONERT, CHEEK, MEIER, COOLIDGE.

STUDENTS ORGANIZATIONS AND PUBLICATIONS
PROFESSORS THOMAS, RAINEY, CHEEK.

PUBLIC FUNCTIONS AND CONTESTS
PROFESSORS THOMAS, SMITH, GRONERT.

PUBLICATION
PROFESSORS CROOKS, RAINEY, SMITH.

CONFERENCE
PROFESSORS CHEEK, CROOKS, RAINEY.

SCHEDULE
PROFESSORS SMITH, THOMAS, COOLIDGE.

RELIGIOUS WORK
PROFESSORS MEIER, SMITH, GRONERT, CROOKS.

LIBRARY
PROFESSORS REDD, THOMAS, MEIER.

DATES
PROFESSOR RAINEY.

ADVISERS.

A system of advisers has been organized to facilitate registration, to guide each student in the choice of his studies, and to bring him into close touch with the staff of instructors.

The Registrar is the adviser of all Freshmen and of all other students until each has chosen his major subject. This choice must be made by the middle of Sophomore year, and the head of the department in which a student chooses his major then becomes his adviser.

GENERAL INFORMATION

TWO-FOLD PURPOSE OF THE COLLEGE

First of all, Centre College strives now, as it has done in the past, to develop men of broad and sound culture. It proceeds on the principle that liberal symmetrical development should precede specialized training; that for successful life work a young man's mind and character require full cultivation, and that the college must, therefore, not be changed into a mere technical school.

On the other hand, the increased demands for technical training in professional and industrial life make it desirable that the student should also relate his undergraduate study directly to his life work. Although he should not sacrifice the symmetrical development of the whole man, yet he should have opportunity to do work that will bear upon the technical training that he will take later. Therefore, Centre College offers courses that lead up to the study of medicine, law, the ministry, agriculture, engineering, industrial science, and the like; moreover, the thorough courses of undergraduate study give unexcelled training for immediate entrance into high school teaching. The attempt is made to maintain a right balance between studies of cultural and disciplinary character and those that possess an intrinsic pratical value.

The system of major and minor courses demands the completion of a few fundamental required subjects and at the same time grants large opportunities for elective work, insuring both breadth of culture and a certain amount of specialization.

A CHRISTIAN COLLEGE

Centre College is pre-eminently a Christian College. It recognizes the fact that the spiritual welfare of the young man is of supreme importance. The Bible occupies an important place in the curriculum. Christian principles are inculcated in the chapel services and elsewhere in the life of the College. From time

to time, special services are held for the students, and addresses on the call of the ministry and the needs in the other professions, are given at the chapel hour.

The members of the faculty are all Christian men who recognize their responsibility for the moral and spiritual, as well as the intellectual, well-being of the students.

Centre College is not sectarian. Several Christian denominations are represented in the faculty, and students of all denominations receive cordial welcome and find here a friendly and congenial atmosphere.

A SMALL COLLEGE

Centre College belongs to that type of educational institution called the "small college." There are distinct advantages to the student in being trained in such an institution. Among these are the individual instruction, the closer contact, and more intimate personal relations with experienced instructors, made possible by smaller classes and a smaller college community. There is also a better opportunity for the development of individual initiative and of the qualities of leadership in the greater community of interest and more intimate contacts of a comparatively small student body.

The record of Centre College in producing leaders in public, professional and business life is an unusual one, and is due in no small degree to the fact that it has always been a small college.

A COLLEGE FOR MEN

Centre College, as the only college in Kentucky which is not coeducational, offers all the advantages afforded by an institution which uses all of its facilities and equipment in fitting men only for the duties and work of life, and concentrates all of its efforts upon the accomplishment of that particular task.

LOCATION

ADVANTAGES OF LOCATION.

Danville, the seat of the College, is situated on the main line of the Queen & Crescent Railroad, extending with its leased lines from Cincinnati to New Orleans, and is the terminus of the

Louisville division of the Southern Railway; it is also near the Lebanon and Knoxville branch of the Louisville & Nashville Railroad, and is easily accessible from all quarters. Danville is very near the geographical center of the State, within the "Blue Grass" region, and is surrounded by beautiful and fertile country. It has an elevation of about one thousand feet above the level of the sea, and the surrounding country is undulating so as to afford perfect drainage. Probably no more healthful spot can be found within the limits of the State. Malaria is unknown except when brought in from other sections of the country. This small city of about 7,000 inhabitants is noted for its high moral tone, and for the refinement and intelligence of its people. It has long been the seat of important educational institutions for both men and women. The town has strong churches of all leading denominations, and the people are church-going. *There are in the town no licensed saloons for the sale of intoxicating liquors.* The saloons were closed many years since by the Trustees under the instruction of a decided vote of the people, and a special act of the Legislature makes it unlawful to retail liquor within two miles of the city limits.

Accessibility

The way to reach Danville is via the trunk line known as the Queen & Crescent Route, or by the Southern Railway from Louisville and intervening and connecting points. Solid vestibuled trains via the Q. & C. run from New Orleans, Meridian, Birmingham and Chattanooga to Danville without change.

BOARDING AND DORMITORY FACILITIES

Boarding

The College maintains an excellent Dining Hall in The College Home. Accommodations are provided here for all students who have rooms in the dormitories, and many students rooming in private homes secure meals here. The College Home, being located on the campus, is very convenient. This provision also offers an opportunity to develop the campus life and spirit, all of which adds to the enjoyment of college life.

Breckinridge Hall

This building furnishes dormitory facilities of the most modern type, with every convenience that such a building should have.

The building is steam heated throughout, while ample facilities for bathing and all toilet necessities are found on each side. Gas and electricity are installed for lighting, and either can be used at the option of the resident.

The addition of a hospital room for non-infectious diseases with private bath room attached, to be used at the command of a physician, furnishes a suitable equipment, both sanitary and comfortable, in the case of students who may be confined to the hall by minor ailments.

All students receiving any form of scholarship, position as assistant, or other favors, from the College, live in the dormitory and large numbers of other students seek rooms here because of the superior advantages offered, the cheaper rates and the excellent location.

The janitor service of the dormitory includes the care of rooms, making of beds and all necessary attention.

The furniture includes single iron beds with springs and mattress, table, chairs, dresser, and washstand. All earthenware goods will be furnished by the occupant of the room, as also rugs, curtains, bed linen, and covers, pillows, etc.

Students rooming in Breckinridge Hall are required to make a deposit of $5.00 to cover damages to room or furniture. What remains of the deposit after paying for the damage done, will be refunded at the close of the year.

RENTAL OF ROOMS

Rates for rooms vary according to size and location, and include light, heat, and janitor service. An illustrated circular with floor plans will be sent upon request. The rates given below are for the year.

SINGLE ROOMS

Nos. 27, 31, 34 $45 00
Nos. 1, 7, 9, 10, 11, 12, 13, 14, 17, 19, 21, 23, 25, 29, 32, 33 ... 50 00

DOUBLE ROOMS

(Room With Two Single Beds.)

Nos. 20, 30 $30 00 double
50 00 single

Suites

(Study and Two Bed Rooms).

Nos. 2, 3, 4, 5, 6, 8, 15, 18, 22, 28------$50 00 for each occupant
Nos. 16, 24, 26---------- 55 00 for each occupant

A suite occupied by one student will cost $100.00 per year. A single room can be occupied by only one student.

A suite of rooms can be occupied by no more than two students.

Application for Rooms

Rooms will be reserved in order of application.

Application for reservation must be made to the Secretary or to the President, accompanied by a deposit of $5.00, which will be credited on the rent of the room. If the room is not taken and the balance of the rent paid the deposit will be forfeited.

In making application it will be well to indicate the number of room according to first, second and third choice. Early application is recommended.

Payment of Rent and Light

Room rent must positively be paid in cash in advance at the opening of each semester. No bills for rent will be sent to parents or guardians.

EXPENSES

College Dues

The Treasurer will be at the College for the collection of fees at the opening of each semester, when all students are required to settle with him. Bills will be sent to parents or guardians upon written request from same. Before a student is admitted to actual standing in any class, a class card showing that he has complied with the rules relating to College charges must be presented. No fees will be returned save in cases of removal from the College on account of severe and protracted illness.

Undergraduate Dues

Tuition for regular schedule, First Semester----------$25 00
Second Semester ---------- 25 00
Public Rooms Fee (light, heat, care), First Semester----- 12 50
Second Semester ---------- 12 50

Where a student is allowed to take work in excess of his class schedule or program, he is charged a supplementary fee of one dollar per hour for each additional course so taken.

Damage deposit, $1.50 per semester. The order of the Board of Trustees as to this deposit is as follows:

Ch. 9. SEC. 2. When damage is done to the College buildings or the appurtenances thereof, and the one who did it can not be detected, it shall be paid out of the deposit of one dollar and fifty cents, required at the opening of each semester of all students. What remains of the deposit after paying for the damages done, shall be refunded to the students at the close of the year.

There is no charge for registration, if it is completed on the Registration Days; *otherwise, a fee of One Dollar will be charged.* This fee will be remitted only by order of the President upon presentation of a sufficient excuse for such delay. The mere fact of the student returning to Danville after the opening of the term will not be considered as a ground for remitting the charge for late registration, unless the cause of such delay be illness or an equally important reason. *This rule, however, does not apply to new students who may enter college too late for registration on the regular days.*

A fee of six dollars per year for athletics is required from all students *and must be paid at the time of entering college.* This fee will provide for admission to all intercollegiate athletic contests held in Danville under the auspices of Centre College and also for the use of the tennis courts on the campus.

A graduation fee of $7.00, covering diploma fee and all expenses of Commencement Day, must be deposited by every candidate for graduation with the Treasurer of the College at the opening of the second semester. If the candidate should not receive a diploma, this deposit will be returned.

Laboratory fees are charged as follows:

Chemistry

All Laboratory courses, per semester ---------- $7.50

Physics

All Laboratory courses, per semester ---------- 5.00

Biology

Elementary Biology, per semester	5 00
Comparative Anatomy, per semester	5 00
Histology, per semester	5 00
Bacteriology, per semester	6 00

The above fees cover the cost of ordinary experimental material, but students are charged extra for breakage and for special and rare material.

Graduate Dues

For information concerning graduate dues, consult the general rules governing graduate study, page 56.

Estimate of Annual Expenses

The following is an approximate estimate of the annual expenses of a student, not including outlay for clothes, traveling or other strictly personal expenses.

	Maximum	Medium	Low
Board and Room for 38 weeks at $6.00 to $5.00	$228.00	$190.00	
Board at co-operative club and room in Breckinridge Hall	----	----	$135.00
Tuition payable in two installments, strictly in advance	50.00	50.00	50.00
Contingent fee, required of all	25.00	25.00	25.00
Books	30.00	25.00	20.00
Total	$333.00	$290.00	$230.00

Lack of pecuniary means alone need not prevent young men of energy and persisent purpose from obtaining a college education. Many find remunerative employment for leisure hours and vacations which enable them to complete the course free from debt. It is generally true that there is work to be had about town for those who want it. It can not usually be engaged beforehand.

There are some opportunities for service in connection with the College open to qualified students.

SCHOLARSHIPS

The College has a limited number of scholarships which are used, in accordance with the conditions governing the award of each, in aiding deserving young men who are unable to meet all the necessary expenses of a college course. It is not expected that those whose necessary expenses can be met by parents or through other sources will apply for such aid.

Scholarships will not be granted to students who fail to meet the following requirements:

1. Good scholarship.
2. High personal character.
3. The need of pecuniary aid.
4. Punctuality, regularity, and respect for law and order in student life.
5. Habits of economy in the use of both time and money.

In awarding scholarships preference is given to regular candidates for a degree, and to those who intend to finish their course in Centre College.

Every holder of a scholarship may be called upon to render to the college some service to be designated by the President. Such service shall not exceed five hours a week, and so far as possible, will be of such nature as to have some educational value in itself. No scholarships are given to students conditioned in any subject.

STUDENT ORGANIZATIONS

YOUNG MEN'S CHRISTIAN ASSOCIATION

No organization in the country has exerted a more powerful influence for good upon the lives of young men than the Young Men's Christian Association. The local society of the international organization has long been an important factor in the life of the College. Religious meetings are held here regularly at the Chapel hour on Friday morning and occasional social gatherings are arranged by the Association.

The Association can be of special help to new students and they are urged to ally themselves with it immediately upon entering college.

Literary Societies

There are two literary societies connected with the College—the Chamberlain and the Deinologian. The work of the societies is regarded as supplemental to that done in the class-rooms, and they are encouraged accordingly. Their exercises consist of debate, declamation, composition, and other forms of literary activity, and are conducted under such rules and regulations as the societies may adopt, consistent with the general objects of the College.

Credit is given in the English Department, under certain restrictions, for work done in the literary societies.

The literary societies hold public exercises on the 22d of February. To the successful competitor a gold medal is awarded. The successful contestant in the contest represents the College in the annual Inter-Collegiate State Oratorical Contest. The Ernst Debate has been established by Mr. Richard P. Ernst, of Covington, Ky., and is held as the preliminary debate in view of the annual Inter-Collegiate Debate of the Kentucky Inter-Collegiate Debating Association.

The Round Table

The Round Table is a scholarship society of advanced students and members of the Faculty, instituted in the fall of 1907. It is intended to conserve and stimulate an interest in literary and humanistic subjects beyond the work of the class-room. To this end, at the fortnightly meetings of the club, the members read and submit for discussion papers within the scope of the Society's interests. Students who have completed with an excellent record in scholarship, two and one-half years of work, and who have shown an active interest in humanistic and literary subjects, are eligible for membership.

STUDENT PUBLICATIONS

The students of the College publish a bi-weekly paper, The Centre College Cento, which is devoted to the recording of current events in the College world, and to literary articles by the students, thus furnishing opportunity for valuable training in journalism to students with a gift for writing. In addition, an annual, "Old Centre," is published every spring by the Senior Class.

STUDENT ACTIVITIES

The students are allowed and encouraged to form and maintain societies for useful purposes. But all such societies must be formed with the consent of the Faculty, and must be conducted in conformity with any regulations which the Faculty may from time to time prescribe.

No meeting of student organizations or associations, and no public meeting of students may be held during the hours devoted to the regular exercises of the College without permission of the President or the Dean.

No meeting of student organizations may be held in the chapel or recitation rooms of the College without permission of the President or the Dean.

To be eligible to participate in any inter-collegiate contest, or to participate, (1) in an oratorical, dramatic, or musical exhibition, (2) in the official management of any class organization, or college team, or (3) in official service on any student publication, a student (1) must be carrying not less than 12 hours of college work and (2) must have passed in at least two-thirds of his work of the preceding semester, and (3) maintain a passing grade in two-thirds of his current work.

The Faculty Committee on Student Publications is authorized to review all student publications before issue whenever the occasion arises for such review.

No student publication shall appear without the sanction of the Faculty Committee on Student Publications.

Each student taking part in the Class Day exercises shall submit to the chairman of the Faculty Committee on Student Publications a copy of his speech at least one week before Commencement, and if he shall make additions to what is contained in the copy approved, or shall speak anything in public which he has been directed to omit, he shall forfeit his degree.

BOARD OF CONTROL OF ATHLETICS

Facilities are provided for various forms of athletic activities in the Boyle-Humphrey-Alumni Gymnasium and on Logan Cheek Field. Intercollegiate athletic contests are under the immediate direction of the instructor of physical education, and are under the supervision of the Board of Control of Athletics. This board

is composed of members appointed from the faculty, the alumni association and the undergraduates. It supervises the expenditure of all funds devoted to athletics, determines the general policy of this branch of college life and has general oversight of the equipment of the various college teams.

Centre College is a member of the Southern Intercollegiate Athletic Association and is governed by the eligibility rules of that body.

COLLEGE BUILDINGS

The Main Building

This building, which was completed and occupied in the fall of 1871, is of brick with stone trimmings. It contains three stories and basement. On the first floor are the lecture rooms of the Departments of Mathematics, Modern Languages, History, and Economics and the museum. The second floor contains the chapel and the lecture rooms of the Departments of English, Latin and Greek. On the third floor are the halls and libraries of the literary societies.

Breckinridge Hall

This building was erected in 1892, and rebuilt in 1908 in much improved form, having been practically destroyed by fire March 2, 1908. It is a three-story building which furnishes dormitory facilities of the most modern type, with every needed convenience. It is heated with steam, and provision is made for lighting the rooms with gas or electricity.

Young Hall

This handsome building, completed in 1909, is a memorial to the distinguished presidents of Centre College, Dr. John C. Young and Dr. William C. Young.

The building is 75 by 116 feet, three stories high, and is of Bedford stone and buff pressed brick, with tile roof. The basement story is of cut stone, and the rest of the structure of brick handsomely trimmed with cut stone. The interior of the building is finished with white pressed brick, and the interior wood finish is of yellow pine, with heavy beams and wood ceiling.

The whole building, which is devoted to the work of the

departments of Chemistry, Physics and Biology, is admirably fitted for the work for which it is designed, and the student will find here excellent equipment for the work of these departments.

THE COLLEGE HOME

In this, the oldest building now upon the campus, the whole work of the College was conducted until 1871. This hall represents the glory and the traditions of "Old Centre." The main floor has been remodeled and decorated and is now used for a College Home and Dining Hall. The other floors will be converted into dormitory or club rooms.

The College Home and the President's home are on the north campus, and face the east, overlooking the beautiful grounds which are used for the summer Chautauqua, and are part of the old campus of the College. The high massive pillars, the broad porch, the white trimmings against the red brick give the College Home a picturesque appearance, and the attractive outlook makes it an ideal center for the College life.

THE LIBRARY BUILDING

This building is 64 by 87 feet, two stories in height, and is built of brick, with stone trimmings and tile roof.

The first floor contains the president's offices, the faculty room, two seminar rooms, a stack room, and the boiler room. On the second floor are the reading room, 34 by 85 feet, stack rooms, the librarian's office, and the catalogue room.

The stack rooms contain about 30,000 volumes and are equipped with metal stacks. The building, which is of modified colonial design, furnishes adequate space for the library together with every facility for its effective use.

The building is the gift of Mr. Andrew Carnegie and a special endowment has been provided for its upkeep.

THE GYMNASIUM AND COLLEGE UNION

The Boyle-Humphrey-Alumni Gymnasium and College Union was completed in 1915. The building is two stories in height with a full basement, most of the latter being above ground.

The basement story is given wholly to dressing, bath and toilet purposes. The main locker and dressing room is 27 by 45

feet, with communicating toilet room and battery of showers. A room, 27 by 80 feet, is reserved for a swimming pool to be installed later. This room will be used temporarily as a baseball cage. A large dressing room, with separate toilet and shower baths, is arranged for the athletic teams, and another dressing room, with its own equipment of shower baths, is provided for visiting teams. A steam drying room, the physical director's office and measuring room, and the boiler room completes the basement story.

The gymnasium floor is 55 by 80 feet, giving ample space and adequate facilities for basket ball, indoor baseball, volley ball and other indoor games. A running track, supported from the wall by steel beams, circles the gymnasium and serves as a spectator's gallery when needed.

The east end of the building communicates with the gymnasium, but is used separately for the Centre College Union, or student social center. On the first floor is the lounging room. A large fireplace is an attractive feature of this general social room. The offices of the director of physical training are also on this floor, adjoining the lounging room referred to above. The second story contains an assembly room for student meetings, and a large billiard and game room. It is intended that these quarters shall be a real social center for the students of the college, a general resort, in connection with the gymnasium, for amusement and recreation.

LABORATORIES AND MUSEUM

Chemistry

The department of chemistry is located on the third floor of Young Hall. Here are laboratories well equipped for the work outlined in this catalogue. A commodious hall connects the various laboratories, the main store room, a lecture room and the private office of the professor. The laboratory for the first year work extends along the entire eastern end of the building. At the west end of the building are laboratories for organic chemistry and qualitative analysis, which are separated from each other and from the private laboratory of the professor by glass partitions. The north side is occupied by a recitation room, a quantitative

analysis laboratory and a balance room. A laboratory for physical chemistry is on the first floor.

The desks in all the laboratories are arranged in such fashion that the working surface is unbroken. Through the center of each desk runs a lead-lined trough, into which all the water from the taps falls, these troughs emptying into large alberene stone sinks at the end of each section of desks. The water and gas fixtures are placed over the center of the troughs, with convenient connections for use on either side of the desks. All desk tops, except those in the laboratory for organic chemistry, which are of alberene stone, are treated with a preparation which makes them practically impervious to reagents. The hoods in all laboratories are equipped with the usual gas and water connections; also with hot water baths.

The main lecture room supplied with modern conveniences, is arranged for seating eighty students. At the lecture desk convenient taps deliver water, coal gas, hydrogen sulphide and compressed air. Experiments with objectionable gases can be performed before the class through the use of a large hood to the rear of the lecture desk.

PHYSICS

The Department of Physics occupies rooms on the first and second floors of Young Hall. On the second floor are two large laboratories, one for elementary and one for advanced work; also a lecture room seating seventy-five students and supplied with all the ordinary conveniences. On this floor are also a work shop with screw-cutting lathe, drill-press and all necessary tools, the professor's office and the science library.

On the first floor are situated two rooms which can be darkened for photometric and spectroscopic work, a photographic dark room, a room with double walls for constant temperature work, a storage battery room, a laboratory with piers for delicate work in electrical measurements, and a dynamo laboratory. The laboratories are supplied throughout with heavy oak individual tables and equipped with gas, water and compressed air. Alternating current is supplied from the city power plant and direct current from a motor-generator and storage battery. There is a sufficient supply of apparatus for elementary work to allow of the laboratory experiments being conducted on the multiple plan.

For more advanced work there is provided a good collection of accurate resistance boxes, sensitive ballistic and dead-beat galvanometers, portable volmeters and ammeters, Wheatstone bridges, mica and paper condensers, induction coils, spectroscopes, a polariscope, and interferometer, a Sharp-Millar photometer, and other apparatus suitable for accurate measurements.

A complete dynamo laboratory provides facilities for instruction in the care, operation and testing of electrical instruments and apparatus. The laboratory is supplied with alternating current from the town plant and direct current for experimental purposes is obtained from a generator driven by a ten horsepower induction motor. The equipment includes also a double current generator, capable of a great variety of uses, and series, shunt and induction motors. Various types of transformers, meters and arc lamps are represented and all necessary lamp banks, rheostats and portable measuring instruments are provided. A three panel marble switchboard is used to make connections for operating the apparatus under any desired conditions.

Biology

The biological laboratories are located on the first and second floors of Young Hall. They include a laboratory for general biology, one for bacteriology and one for animal morphology and histology. There is also a lecture room and a private office for the instructor. The equipment is modern and includes microscopes of the Bausch & Lomb BB4 type, a Minot microtome for paraffine sections, a Bausch & Lomb microtome for celloidin sections, paraffine baths, a growing chamber for plant work, a set of skeletons mounted and disarticulated for work in comparative osteology, and other equipment necessary in a well organized biological department. The bacteriological equipment meets the needs of extended work in this important branch of biological study and includes steam and hot air sterilizers, autoclave incubator, serum inspissator, etc. A number of plaster models of the latest construction provide illustrative material in anatomy.

The lecture rooms of the departments of biology and physics are equipped jointly with a Bausch & Lomb Universal Baloptican. This provides for projection from lantern slides and opaque

objects. There are attachments for spectroscopic and microscopic projection.

MUSEUM

The Museum is well equipped with material for illustrations in all branches of geological study. The typical minerals are systematically arranged so that one can see by a glance at the labels where each belongs in relation to others; the various ores, with duplicates convenient for study, are provided for critical examinations.

In paleontology, fossils typical of all the epochs are on the shelves and in the work-room for special inspection. The rarer forms, such as Ichthyosaurus, Plesiosaurus, Pterodactylus, Dinosaurus, Glyptodon and Megatherium, are represented by Ward's casts, supplied through the liberality of the late Dr. John W. Scott.

ATTENDANCE, EXAMINATIONS AND STANDING

REGISTRATION AND ATTENDANCE

All students should present themselves punctually at the opening of the session in September. Many disadvantages result from late entrance, and in some instances it has been found impossible for a student entering late to maintain his standing in the class. Prompt attendance is, therefore, earnestly enjoined upon all who wish to derive the full benefits of the course of instruction.

Prompt and regular attendance is required on all class and laboratory exercises. According to the method of recording absences, a student will lose the value of his course credits in proportion to his failure in attendance.

PUBLIC WORSHIP

Devotional exercises, consisting of prayers, hymns and Scripture reading, are conducted in the chapel four times a week, and all the students are required to be present.

EXAMINATIONS

Examinations of all the classes are held at the close of each semester, and are conducted by the several professors in their departments. Special examinations are held during the year, as needed.

REPORTS TO STUDENTS AND PARENTS

Reports of each student's scholarship, attendance and general deportment are made to his parents or guardian four times a year. Special reports are made at shorter intervals if there is anything in the student's conduct or standing to call for them. In these reports the student's standing is given by the letters A, B, C, D, E, or F. A represents the highest grade of work, while D indicates the work of the lowest grade for which credit is given. E and F stand for work below the passing grade, E denoting a condition, and F a failure.

When the grade of a student falls below D, the instructor shall report the fact at once to the President, who will send a formal notification of the deficiency to the student. If a second report is made, notification will again be sent to the student, and at the same time his parents or guardian will be informed of the unsatisfactory character of his work.

CONDITIONS AND FAILURES

A student who is conditioned in any course may remove the condition by passing a satisfactory re-examination upon the work of the semester, or, in the discretion of the instructor, by doing additional work. A student conditioned in a required course must repeat that course with the class the next time such course is given, unless the condition is removed previous to that time. Unless a condition in an elective course has been previously removed, that course must be repeated with the class, or an equivalent elective course must be taken in class. The repeated or substituted course must be taken the first time such course is given after the condition is incurred.

A failure can be removed only by repeating the course in class, or, in the case of an elective course, by taking an equivalent elective course. The repeated or substituted course must be taken the first time such course is given after the failure is incurred.

A fee of $2.00 shall be charged for each re-examination to remove a condition incurred by a failure to make a passing grade. This fee must be paid at the College office and the receipt therefor shown to the instructor before the examination may be taken. Re-examinations may be taken at dates arranged with the instructor. Only a passing grade may be given on a re-examination.

When the mark "Abs." has been reported and the student's absence from examination excused by the President, he shall have the right to an examination on payment of a fee of $2.00, receipt for which must be shown to the instructor before the examination may be taken.

A student absent from an examination without being excused shall be conditioned in that course. For the special examination to remove a condition incurred in this way, a fee of $5.00 will be charged. This fee must be paid at the College office, and the receipt shown to the instructor before the re-examination can be taken.

ABSENCES AND EXCUSES

No absences, except those due to prolonged sickness or other extraordinary cause, shall be excused. Absences are excused by the Registrar.

Each semester hour successfully carried, entitles a student to one credit towards graduation. But in case of more than three unexcused absences from any course, credits are deducted according to the following rule: One-half credit for absences more than three and less than six; one credit for six or more and less than nine; one and one-half credits for nine or more but less than twelve; and for twelve absences two credits shall be deducted. Each absence during the two days immediately preceding or following a recess or vacation shall count as two absences for the purpose of this rule.

Every absence from recitation shall count a zero in the determination of grades unless all omitted work is made up to the satisfaction of the instructor. Opportunity to make up such omitted work shall be given only when the instructor is satisfied that there is good reason for the absence.

If the work made up consists of lectures, laboratory practice, written recitations, or other work requiring the supervision of an instructor, a charge of fifty cents for each hour so occupied shall be made. The necessary amount must be paid in advance at the College office and the receipt presented to the instructor before the work can be made up.

Three absences from chapel or from any class shall be reported at the next meeting of the faculty. The student shall be informed

by the instructor concerned, or by the officer in charge of chapel attendance. Notice of absence shall be sent to the student's parents or guardian by the class officer.

Five absences from chapel or from any class shall call for a satisfactory explanation from the student at the next meeting of the faculty.

Absences on account of contests and conventions away from Danville under the sanction of the faculty will not entail absence penalties provided all omitted work is made up promptly.

Absences will not be excused unless application for excuse is made to the Registrar within three days after a student returns to classes.

PRIZES

The Henry Barret Boyle Prize

The Henry Barret Boyle Prize, established by Gen. J. T. Boyle, is annually awarded to the best Latin student of the Sophomore class, provided that the contestant's work in every other department is of high order. The prize consists of a valuable gold watch appropriately engraved. The award is publicly made by the President on Commencement Day.

The Ormond Beatty Alumni Prize

In 1886 the alumni of Centre College contributed a fund of $1,000 to signalize the completion of President Beatty's fifty years' service to his alma mater. The annual interest on this fund is publicly awarded on Commencement Day to the student of the Senior class who has the best record for punctuality, deportment and scholarship. In determining this award account is taken of Senior work only.

Oratorical Prize

An oratorical contest between the literary societies is held on February 22. A gold medal is given by the College to the successful contestant.

The William Ernst Prize

This prize has been offered by the Hon. Richard P. Ernst, of Covington, as a memorial of his father, Mr. William Ernst. The gift, amounting to $75.00, is awarded in three prizes of $25.00 each to the three ranking men in the Inter-Society debate.

ADMISSION TO THE COLLEGE

All new students must report to the registrar immediately after matriculation.

The minimum requirement for entrance without conditions to the Freshman class is fifteen units. The minimum for conditional admission is thirteen units.

Provision is made for the working off of conditions under competent instructors.

ADMISSION BY EXAMINATION.—Candidates for the Freshman class, who are not graduates of an accredited school, will be examined on the subjects necessary for entrance to the particular course chosen.

ADMISSION BY CERTIFICATE.—Graduates of accredited schools are admitted to the Freshman class upon presentation of a certificate issued by the superintendent or principal. Blank certificates can be obtained by applying to the President, Centre College, Danville, Ky.

No college credit will be given for high school work except upon examination, and the successful completion of a year of advanced work in the subject in which the examination was taken.

Accredited schools are divided into two classes known as classes A and B.

Class A includes schools which meet the following requirements: A four-year course of study, requiring sixteen units for graduation, at least fifteen of which are college entrance units; three qualified teachers devoting all their time to high school work; a minimum of forty minutes to each recitation; a school year of not less than thirty-six weeks; an equipment of not less than $150.00 in value for teaching science; a reference library of not less than $75.00 in value, exclusive of public documents; a progressive school spirit and sentiment; classes not too large for good work, and whose work is recognized as satisfactory. Class B includes schools which are lacking in one or more of the above

requirements and which offer thirteen or more college entrance units for graduation and whose work is considered satisfactory, provided that no school shall be admitted to this class which does not have two qualified teachers devoting full time to high school work; an equipment of not less than $75.00 in value for teaching science; a reference library of not less than $60.00 in value, exclusive of public documents; and sufficient time given to each recitation for satisfactory class work.

ACCREDITED PUBLIC HIGH SCHOOLS

CLASS A

Location	*Name of School*
Alexandria	County High School
Anchorage	High School
Ashland	High School
Auburn	County High School
Augusta	High-School
Bellevue	High School
Bowling Green	W. Ky. Normal
Bowling Green	High School
Carlisle	High School
Carrollton	High School
Central City	High School
Catlettsburg	High School
Corydon	High School
Covington	High School
Cynthiana	High School
Danville	High School
Dawson Springs	High School
Dayton	High School
Earlington	Atkinson Memorial
Elizabethtown	High School
Eminence	High School
Falmouth	High School
Flemingsburg	High School
Frankfort	High School
Franklin	High School
Fulton	High School
Georgetown	High School
Glasgow	High School
Greenville	High School
Hardinsburg	High School
Harrodsburg	High School
Hartford	College (High School)
Henderson	High School
Hickman	High School

Location	*Name of School*
Hodgenville	High School
Hopkinsville	High School
LaCenter	County High School
LaGrange	County High School
Lancaster	High School
Lawrenceburg	County High School
Lawrenceburg	City High School
Lebanon	High School
Lexington	High School
Louisa	High School
Louisville	Boy's High School
Ludlow	High School
Madisonville	High School
Marion	High School
Mayfield	High School
Mayslick	County High School
Maysville	High School
Middlesboro	High School
Midway	High School
Monticello	High School
Mt. Sterling	High School
Morganfield	High School
Murray	High School
Newport	High School
Nicholasville	High School
Owensboro	High School
Owenton	High School
Paducah	High School
Paris	High School
Pineville	High School
Princeton	High School
Richmond	Caldwell High School
Richmond	Model High School
Richmond	E. Ky. Normal
Shelbyville	High School
Somerset	High School
Springfield	High School
Stanford	High School
Sturgis	High School

Location	*Name of School*
Walton	High School
Winchester	High School
Winchester	County High School
Wingo	High School

CLASS B

Adairville	County High School
Arlington	High School
Athens	County High School
Barbourville	High School
Bardstown	High School
Barlow	High School
Beaver Dam	West Ky. Seminary
Bedford	County High School
Benton	High School
Bethlehem	County High School
Bradfordsville	High School
Brandenburg	County High School
Brodhead	High School
Brooksville	High School
Buffalo	High School
Burkesville	High School
Burlington	County High School
Butler	High School
Cadiz	High School
Calhoun	High School
Campbellsville	County High School
Clay	High School
Clinton	County High School
Cloverport	High School
Columbia	High School
Corinth	Graded High School
Crutchfield	County High School
Dixon	High School
Dry Ridge	County High School
Edmonton	County High School
Elkton	High School
Erlanger	High School
Farmington	Graded High School

Location	*Name of School*
Fordsville	High School
Fort Thomas	Highlands High School
Fulghum	County High School
Ghent	High School
Glendale	High School
Grayson	High School
Greendale	County High School
Guthrie	High School
Harlan	County High School
Hawesville	Beechmont High School
Heath	County High School
Horse Cave	High School
Howes Valley	County High School
Hustonville	High School
Hyden	County High School
Independence	High School
Junction City	High School
Kirksville	Graded High School
Leitchfield	High School
Lewisburg	County High School
Lexington (Picadome)	County High School
Little Rock	High School
Livermore	High School
London	High School
Lowes	County High School
McHenry	Central Park H. S.
Mackville	County High School
Middleburg	High School
Minerva	County High School
Morgantown	High School
Mt. Olivet	County High School
Mt. Sterling	County High School
Mt. Vernon	High School
Munfordville	High School
New Castle	High School
Olmstead	County High School
Owensboro	County High School
Owingsville	High School
Paint Lick	County High School

Location	*Name of School*
Paintsville	High School
Pembroke	High School
Perryville	County High School
Providence	High School
Science Hill	Graded High School
Scottsville	High School
Sedalia	High School
Sebree	High School
Sharpsburg	High School
Smith's Grove	County High School
Stamping Ground	High School
St. Helens	High School
Taylorsville	Graded High School
Tompkinsville	High School
Union City	County High School
Uniontown	County High School
Upton	Graded High School
Utica	County High School
Vanceburg	County High School
Vanceburg	High School
Versailles	High School
Vine Grove	High School
Waco	County High School
Warsaw	High School
Water Valley	County High School
West Liberty	High School
West Point	High School
Whitesville	County High School
Williamstown	High School
Wickliffe	High School

ACCREDITED PRIVATE INSTITUTIONS

CLASS A

Barbourville	Union College
Bowling Green	Odgen College
Campbellsville	Russell Creek Academy
Columbia	Lindsey-Wilson
Elkton	Vanderbilt Training

Location	*Name of School*
Frenchburg	High School
Jackson	Collegiate Institute
London	Sue Bennett Memorial
Lyndon	Ky. Military Institute
Louisville	Training School
Louisville	St. Xavier
Millersburg	Military Institute
Morehead	Normal School
Paintsville	Sandy Valley Seminary
Pikeville	Pikeville Academy
Russellville	Bethel College Preparatory
Russellville	Logan Academy
St. Mary's	St. Mary's College
Stanton	Stanton College
Williamsburg	Cumberland College
Wilmore	Asbury College Academy

Class B

Barbourville	Baptist Institute
Campbellsburg	High School
Clinton	Marvin University School
Franklin	Training School
Hazel Green	Hazel Green Academy
Guerrant	Highland School
Nicholasville	Threlkeld's Boys' School
North Middletown	C. & B. College
Oneida	Baptist Institute
Salyersville	Magoffin Institute

ENTRANCE REQUIREMENTS

Total Requirements: 15 Units

Every candidate for a degree must offer the following:

English	3 units
Mathematics	2½ units
History	1 unit
Science	1 unit
A Foreign Language	2 units
Total	9½ units

Candidates for the degree of Bachelor of Arts must offer four units of foreign language, at least three of which must be in Latin. Not more than four units may be offered in one subject.

To complete the total requirement of fifteen units, choice may be made from the following subjects:

Latin	1 to 4 units
Greek	1 to 3 units
German	1 to 3 units
French	1 to 3 units
Spanish	1 to 2 units
History and Civil Government	1 to 3 units
Solid Geometry	½ unit
Trigonometry	½ unit
Agriculture	½ unit
Botany	½ to 1 unit
Chemistry	1 unit
Geology	½ to 1 unit
Physics	1 unit
Physical Geography	½ to 1 unit
Physiology	½ unit
Drawing	½ to 1 unit
Manual Training	½ unit
Commercial Arithmetic	½ unit
Psychology	½ unit
Political Economy	½ unit
Zoology	½ unit
General Science	½ unit

A unit is one-fourth of a year's work in the high school.

Not more than two units in vocational studies may be offered.

ENTRANCE REQUIREMENTS IN THE SEVERAL SUBJECTS

I. *English*

The requirement in English includes (1) ability on the part of the applicant to express himself in writing in a clear and accurate manner, and (2) ability to appreciate the qualities that mark a work as being literature. Evidence of some power of literary appreciation, even despite ignorance of particular books or authors, will be held more acceptable than unappreciative literary learning.

Grammar and English Composition.—The applicant ought to be familiar with the essential principles of English Grammar. He must also possess the ability to write in a plain and natural style short compositions upon subjects familiar to him, correct in spelling, punctuation, grammar, idiom, and division into paragraphs. One unit.

Reading in Literature.—These readings are divided into two classes, books intended for thorough study and practice, and books intended merely for general reading. Two units.

(a) For study and practice.—The books provided for study are arranged in four groups, from each of which one selection is to be made.

GROUP I. *Drama.* Shakespeare's Julius Caesar, Macbeth, Hamlet.

GROUP II. *Poetry.* Milton's L'Allegro, Il Penseroso, and either Comus or Lycidas;

Tennyson's The Coming of Arthur, The Holy Grail, and The Passing of Arthur;

The selections from Wadsworth, Keats, and Shelley in Book IV of Palgrave's Golden Treasury (First Series).

GROUP. III. *Oratory.* Burke's Speech on Conciliation with America;

Macaulay's Speeches on Copyright and Lincoln's Speech at Cooper Union;

Washington's Farewell Address and Webster's First Bunker Hill Oration.

GROUP IV. *Essays.* Carlyle's Essay on Burns, with selection from Burns's Poems;

Macaulay's Life of Johnson;

Emerson's Essay on Manners.

(b) For general reading. With a view to large freedom of choice, the books provided for reading are arranged in the following groups, from each of which at least two selections are to be made, except as otherwise provided under Group I.

GROUP I. *Classics in Translation.* The Old Testament, comprising at least the chief narrative episodes in Genesis, Exodus, Joshua, Judges, Samuel, Kings, and Daniel, together with the books of Ruth and Esther; The Odyssey, with the omission, if desired, of Books I, II, III, IV, V, XV, XVI, XVII; The Iliad, with the omission, if desired, of Books XI, XIII, XIV, XV, XVII XXI; The Aeneid.

(The Odyssey, Iliad, and Aeneid should be read in English translations of recognized literary excellence.)

For any selection from this group a selection from any other group may be substituted.

GROUP II. *Shakespeare.* Midsummer Night's Dream, Merchant of Venice, As You Like It, Twelfth Night, The Tempest, Romeo and Juliet, King John, Richard II, Richard III, Henry V, Coriolanus, Julius Caesar, Macbeth, Hamlet.

GROUP III. *Prose Fiction.* Malory's Morte d'Arthur (about 100 pages); Bunyan's Pilgrim's Progress, Part I; Swift's Gulliver's Travels (voyages to Lilliput and to Brobdingnag); Defoe's Robinson Cruso, Part I; Goldsmith's Vicar of Wakefield; Frances Burney's Evelina; Scott's Novels: any *one;* Jane Austen's Novels: any *one;* Maria Edgeworth's Castle Rackrent or The Absentee; Dicken's Novels: any *one;* Thackeray's Novels: any *one;* George Eliot's Novels: any *one;* Mrs. Gaskell's Cranford; Kingsley's Westward Ho! or Hereward, the Wake; Reade's The Cloister and the Hearth; Blackmore's Lorna Doone; Hughes's Tom Brown's School Days; Stevenson's Treasure Island, or Kidnapped, or Master of Ballantrae; Cooper's Novels: any *one;* Poe's Selected Tales; Hawthorne's The House of the Seven Gables or Twice Told Tales or Mosses from an Old Manse.

A collection of Short Stories by various standard writers.

GROUP IV. *Essays, Biography, etc.* Addison and Steele's The Sir Roger de Coverley Papers or Selections from the *Tatler* and *Spectator* (about 200 pages); Boswell's Selections from the Life of Johnson (about 200 pages); Franklin's Autobiography; Irving's Selections from the Sketch Book (about 200 pages) or Life of

Goldsmith; Southey's Life of Nelson; Lamb's Selections from the Essays of Elia (about 100 pages); Lockhart's Selections from the Life of Scott (about 200 pages); Thackeray's Lectures on Swift, Addison, and Steele in the English Humorists; Macaulay: any one of the following essays: Lord Clive, Warren Hastings, Milton, Addison, Goldsmith, Frederic the Great, Madame d'Arblay; Trevelyan's Selections from the Life of Macaulay (about 200 pages); Ruskin's Sesame and Lilies or Selections (about 150 pages); Dana's Two Years Before the Mast; Lincoln's Selections, including at least the two Inaugurals, the Speeches in Independence Hall and at Gettysburg, the Last Public Address, the Letter to Horace Greeley, together with a brief memoir or estimate of Lincoln; Parkman's The Oregon Trail; Thoreau's Walden; Lowell's Selected Essays (about 150 pages); Holmes's The Autocrat of the Breakfast Table; Stevenson's An Inland Voyage and Travels with a Donkey; Huxley's Autobiography and selections from Lay Sermons, including the addresses on Improving Natural Knowledge, a Liberal Education, and a Piece of Chalk; a collection of Essays by Bacon, Lamb, De Quincey, Hazlitt, Emerson, and later writers; a collection of Letters by various standard writers.

GROUP V. *Poetry.* Palgrave's Golden Treasury (First Series), Books II and III, with special attention to Dryden, Collins, Gray Cowper, and Burns; Palgrave's Golden Treasury (First Series), Book IV, with special attention to Wordsworth, Keats, and Shelley (if not chosen for study under B); Goldsmith's The Traveller and The Deserted Village; Pope's The Rape of the Lock; A collection of English and Scottish Ballads, as, for example, some Robin Hood ballads, The Battle of Otterburn, King Estmere Young Beichan, Bewick and Grahame, Sir Patrick Spens, and a selection from later ballads; Coleridge's The Ancient Mariner, Christabel, and Kubla Khan; Byron's Childe Harold, Canto III or IV, and The Prisoner of Chillon; Scott's The Lady of the Lake or Marmion; Macaulay's The Lays of Ancient Rome, The Battle of Naseby, The Armada, Ivry; Tennyson's The Princess; or Gareth and Lynette, Lancelot and Elaine, and the Passing of Arthur; Browning's Cavalier Tunes, The Lost Leader, How They Brought the Good News from Ghent to Aix, Home Thoughts from Abroad, Home Thoughts from the Sea, Incident of the French

Camp, Herve Riel, Pheidippides, My Last Duchess, Up at a Villa —Down in the City, The Italian in England, The Patriot, The Pied Piper, "De Gustibus—," Instans Tyrannus; Arnold's Sohrab and Rustum, and The Forsaken Merman; Selections from American Poetry, with special attention to Poe, Lowell, Longfellow, and Whittier.

The applicant must present an explicit statement from his instructor that the entire requirement has been fulfilled.

History of English Literature. The applicant who offers four units in English composition and literature should have pursued the study throughout the four years of the high school course. In addition to the foregoing requirements, his preparation should include a systematic study of the outlines of English literary history. Due emphasis should be laid upon the division of the subject into periods; and the leading characteristics of each period should be studied, and, as far as is practicable, illustrated by the reading of representative authors. Any of the current manuals of English literature may serve as a basis for this part of the course. The historical study should, however, be associated as closely as possible with the reading of classics. One unit.

II *Mathematics*

a. ALGEBRA

The four fundamental operations for rational algebraic expressions; factoring, determination of highest common factor and lowest common multiple by factoring; fractions, including complex fractions; ratio and proportion; linear equations both numerical and literal, containing one or more unknown quantities; problems depending on linear equations; radicals, including the extraction of the square root of polynomials and of numbers. One unit.

b ALGEBRA. QUADRATICS AND BEYOND

Exponents, including the fractional and negative; quadratic equations, both numerical and literal containing one unknown; simultaneous quadratic equations; problems depending upon quadratic equations; the binomial theorem for positive integral exponents, the formulas for the *n*th term and the sum of the terms of arithmetic and geometric progressions, with applications; and graphs. One unit.

Two units will not be allowed for Algebra unless the subject is taken two full school years with five recitations a week.

c. PLANE GEOMETRY

The usual theorems and constructions of good text-books, including the general properties of plane rectilinear figures; the circle and the measurement of angles; similar polygons; areas; regular polygons and measurement of the circle. The solution of numerous original exercises, including locus problems. One unit.

d. SOLID GEOMETRY

The usual theorems and constructions of good text-books, including the relations of planes and lines in space; the properties and measurement of prisms, pyramids, cylinders and cones; the sphere and the spherical triangle; the solution of numerous original exercises including locus problems; application to the mensuration of surfaces and solids. One-half unit.

e. PLANE TRIGONOMETRY

General definitions of the functions, the relations of the functions, the solution of trigonometric equations, development of formulae, and the solution of triangles. One-half unit.

III. *Latin*

1. Grammar and Prose Composition. Translation into Latin of simple English sentences. One unit.

2. Caesar, Gallic War, Books I-IV, with questions on forms, the constructions and subject matter. One unit.

3. Virgil, Aeneid, Books I-VI, with questions on the constructions, subject-matter and prosody. One unit.

4. Cicero. Six orations, with prose composition continued. One unit.

IV. *Greek*

Xenophon. Anabasis. Books I, II, III, IV.

Grammar. Goodwin or equivalent. A Knowledge of Attic inflection and of the principles of syntax is essential.

Prose composition. Collar and Daniell or equivalent. Ability to put English into Greek, *with accent,* is necessary. Two units.

V. *German*

The requirements for entrance into the Freshman Class in this subject correspond to those of the majority of the better institutions of the country, as they have been suggested by the Modern Language Association of America.

The examination will be upon the following subjects, and presupposes the reading of two hundred duodecimo pages of easy prose.

1. *Grammar.* A thorough knowledge of the forms, and familiarity with the commoner usages of syntax.

2. *Composition.* The ability to translate simple English sentences into idiomatic German.

3. *Reading.* The candidate will be asked to translate at sight a German selection containing no unusual words.

4. *Pronunciation.* The reading aloud of ten lines of easy prose.

The department would call the attention of teachers to the excellent report of the "Committee of Twelve" of the Modern Language Association, which contains a full discussion of the methods, outline of courses, etc., and which will be sent by the department upon receipt of twenty cents to all teachers desiring a copy.

The importance of a thorough knowledge of the rudiments of the grammar, as contained in Bierwirth's or Vos's Essentials of German Grammar, can not be too severely insisted upon. The work should comprise: (1) Careful drill upon pronunciation. (2) The memorizing and frequent recitation of easy colloquial sentences. (3) Drill upon the inflection of the articles, of such nouns as belong to the language of every-day life, of adjectives both strong and weak, pronouns, weak verbs and the more usual strong verbs, such as gehen, sprechen, finden, sehen, kommen, fahren, etc., also upon the use of the more common prepositions, the simpler uses of the modal auxiliaries; and the elementary rules of syntax and word order. (4) Abundant easy exercises for the purposes both of fixing in the mind the forms and principles of grammar and to cultivate readiness in the reproduction of natural forms of expression. This includes the ability to read and write German script. (5) The reading of two hundred pages of easy prose, with constant practice in translating into German easy variations upon the sentences read or the reproduction of the sentences from memory. The necessary reading matter may be found in any standard graduated reader, or in such stories as Storm's *Immensee,* Gerstacker's *Germelshausen,* or similar text. Two units.

VI. *French*

(1) Translation of ordinary simple French prose into idiomatic English. It is believed that the ability to translate simple

prose can be acquired by careful reading of not less than three hundred and fifty duodecimo pages chosen from the work of several authors. (2) Translation of simpler English sentences into French. This requirement presupposes careful training in elementary French grammar. This includes the conjugation of regular verbs, of the more common irregular verbs, such as voir, dire, tenir, aller, savoir, faire, pouvoir, as well as the classes represented by connaitre, conduire, dormir, ouvrir, craindre; the inflection of nouns and adjectives for gender and number, except rare cases; uses of articles and partitive construction; the forms and positions of the personal pronoun, the uses of other pronouns and of interrogative, possessive, and demonstrative adjectives. (3) The ability to pronounce French with a fair degree of accuracy. One unit.

VII. *Advanced German, French and Spanish*

Candidates for the higher classes than the Freshman in German and those who desire advanced credits in French and Spanish are required to stand an examination on all work previously done by the class which they desire to enter. The attention of teachers in high schools is called to the fact that examinations for advanced standing in all courses in this department include the history of the country whose language is being studied as contained in any of the volumes of "History of the Nation Series" (Putnam) or works of like scope. The entrance examination in second year Spanish includes the History of the Moors in Spain.

VIII. *History*

Preparation in history will be given credit upon the basis of time devoted to the study of each branch of the subject, rather than upon the amount of the ground covered.

It is recommended that not less than one year be given to any of the courses outlined below. The training in history should require comparison and the use of judgment on the pupil's part, rather than the mere use of memory. The use of good text-books, collateral reading, practice in writing, and accurate geographical knowledge are essential. One unit in Ancient and Mediaeval History and one unit in Modern History with emphasis on English History will be accepted, but General History will not be accepted.

a. Ancient History (to 800 A. D.)—One unit.
b. Mediaeval and Modern History—One unit.
c. English History—One unit.
d. American History and Government—One unit.

IX. *Science*

a. PHYSICS

The preparation in physics should include individual laboratory work, comprising at least forty exercises, twenty of them quantitative; instruction by lecture table demonstrations, to be used mainly as a basis for questioning upon the general principles involved; and the study of at least one standard text-book, to the end that the pupil may gain a comprehensive anl connected view of the most important facts and laws of elementary physics. One unit.

b. CHEMISTRY

The preparation in chemistry should be conducted upon the same general plan suggested for the work in physics. One unit.

c. PHYSICAL GEOGRAPHY

The preparation in physical geography should include the study of at least one of the modern text-books, accompanied by field work. One-half to one unit

d. PHYSIOLOGY

The preparation in physiology should include a study of the nature of foods and their history in the body; the essential facts of digestion, absorption, circulation, secretion, excretion, and respiration; the motor, nervous, and sensor functions; and the structure of the various organs by which these operations are performed. A note-book with careful outline drawing of the chief structures studied anatomically together with explanations of these drawings, and the study of a good text-book are essential. One-half unit.

e. BOTANY

The preparation in botany should include a study of the structure and elementary physiology of the seed plants; ecology, the natural history of the plant groups, and classification. The laboratory method of instruction should be emphasized, but not further than it can be done with a simple magnifier. Accurate drawings and concise notes should be prepared by the student. One-half unit.

f. ZOOLOGY

The preparation in zoology should be along the same lines as those laid down for botany. It should be such as to render the student familiar with the salient characteristics of each of the animal sub-kingdoms. This can be accomplished only by a laboratory study of at least one type of animal under each sub-kingdom. One-half unit.

g. GENERAL SCIENCE

One-half year's work with satisfactory text. General Science must be preliminary to any other work in science, and will be accepted only when so taken.

X. *Drawing*

Candidates must submit a complete set of drawings, made under the supervision of a teacher of drawing and properly certified by him. These drawings should show ability in the candidate to execute plain lettering, to make orthographic sketches of machine parts, and othographic projection. One-half to one unit.

XI. *Shop Work*

Thorough manual training in wood work. A note-book containing description and sketches of work done is required. One-half unit.

ADVANCED STANDING

Candidates for advanced standing are examined in the studies which have been pursued by the class which they propose to enter or in others equivalent to them.

Those who have been members of other colleges must present certificates of regular dismission, and they will be given credit for the studies pursued. Those bringing letters of dismission from colleges having the same or equal requirements for admission with Centre College and which offer the same or equal courses of study, will be admitted without examination, to the standing they have held in the institution from which they come.

No student will be admitted as a candidate for a college degree later than the beginning of the Senior year.

No college credit will be given for high school work except upon examination, and the completion of a year of advanced work in the subject in which the examination was taken.

REQUIREMENTS FOR DEGREES

For the Bachelor's degree the completion of 128 semester hours is required. The student must make a grade above D in at least two-thirds of the 128 hours. A semester hour is one recitation period a week for a semester. No student may carry more than 17 semester hours at any time. The required 128 semester hours are to be made up as follows:

1. Not less than twenty-four or more than thirty-two semester hours in a major subject chosen not later than the middle of Sophomore year. No student may change his major subject at any other time than the beginning of the college year. The head of the department in which a student chooses his major becomes his adviser at the time of choice.

2. Fourteen to sixteen semester hours in a minor subject chosen by the student's adviser.

3. Six semester hours in English.

4. Eight semester hours in Mathematics.

5. Eight semester hours in Bible.

6. Four semester hours in Physical Education.

7. Fourteen to sixteen semester hours in each of the following groups of subjects. The requirements in each group must be divided between at least two subjects and can not be counted towards either the major or the minor. The required English and Bible do not count in the satisfaction of group requirements.

GROUP I.	GROUP II.	GROUP III.
English	Bible	Mathematics
Greek	Education	Biology
Latin	History	Chemistry
German	Psychology and	Physics
French	Philosophy	
Spanish	Social Science	

8. For the degree of Bachelor of Arts twenty-four semester hours of foreign language in addition to entrance requirements, must be completed, at least eight of which shall be in either Greek or Latin.

9. For the degree of Bachelor of Science, twenty-four semester hours of science are required. This requirement must be di-

vided between at least two sciences. The major must be in mathematics or a science.

10. The remaining hours necessary to complete the requirement of 128 semester hours may be chosen as free electives.

Majors are offered in the following subjects: (1) English; (2) Greek; (3) Latin; (4) German and French; (5) History and Social Science; (6) Mathematics; (7) Biology; (8) Chemistry; (9) Physics.

Required subjects and group requirements must be completed by the end of the Junior year.

Freshman Studies

	1st Semester	2nd Semester
English	3 hours	3 hours
Foreign Language	3 or 4 hours	3 or 4 hours
Mathematics or Science	4 hours	4 hours
Bible	1 hour	1 hour
Physical Education	1 hour	1 hour
Elective	3 or 4 hours	3 or 4 hours

Honor Points

Honor points are given according to the following schedule:

Five points for each semester hour completed with grade A on the regular class work plus additional work to the amount of one-eighth of the regular assignment also completed with grade A. Such work is marked AS.

Two points for each semester hour completed with Grade A without extra work.

Two points for each semester hour completed with grade B plus extra work as above. Marked BS.

One point for each semester hour of grade B without extra work.

One point for each semester hour of grade C with extra work as above. Marked CS.

For each fifty honor points one extra semester hour of credit towards graduation is given.

One honor point will be deducted for each ten absences, including chapel absences, in any semester. All absences, except those incurred in one of the following ways, will count in reduction of honor points:

a. To represent the College on athletic or debating teams or in an inter-collegiate oratorical contest.

b. To represent some College organization with permission of the President or Dean.

c. Sickness, with physician's certificate.

Classification

For promotion to the Sophomore class, a student must have credit for twenty-six semester hours, eighteen with a grade above D. For promotion to the Junior class, he must have credit for fifty-six semester hours, forty of these with grade above D. For promotion to the Senior class, he must have credit for eighty-eight semester hours, sixty-two of these with grade above D. Classification is determined at the beginning of the college year.

Requirements for the Degree of Master of Arts

Bachelors of the several courses of the academic department of Centre College, or graduates of other institutions having requirements for the baccalaureate degree which are substantially equivalent, may be enrolled in the Graduate Department as candidates for the degree of Master of Arts.

Application for enrollment must be made in writing to the Committee on Graduate Studies at the beginning of the collegiate year in which the degree is to be taken.

With the application an outline of the candidate's intended course of graduate study must be submitted, together with the signed approbation of the professors with whom he expects to work. This choice of subjects is final.

The tuition fee of the Graduate Department is $100.00, payable in advance in two installments at the opening of each semester. In addition, a diploma fee of $10.00 is charged, payable when the thesis is submitted for examination.

The degree of Master of Arts will be conferred upon those candidates who, having complied with the above requirements, shall have completed the required graduate work as follows:

1. They shall have completed to the satisfaction of the professors in charge a course of graduate study, which is the equivalent of fifteen hours of class work a week.

2. This course shall be pursued at this College during a

residence of not less than one collegiate year. Work "in absentia" will not be recognized towards a degree.

3. This course of study shall consist of a principal subject (major) and a subsidiary subject (minor).

4. The Major and the Minor subjects must be chosen with the consent of the Committee on Graduate Studies, in different but related departments.

5. The courses must be of an advanced character and the work done by a candidate show zeal and ability. No subject counted for the baccalaurate degree or towards a professional degree will be counted for the Master's degree.

6. Of the fifteen hours of required work a week, five hours shall be devoted to the minor subject.

7. Not later than three weeks before Commencement the candidate must submit to the Committee on Graduate Studies a thesis approved by the professor in charge of the major course.

8. The candidate's thesis having been approved by the committee, he must pass a satisfactory examination before a board of three examiners, consisting of the professors in charge of the candidate's major and minor subjects and a representative of the Committee on Graduate Studies. The signatures of the three members of the examining board must appear on the report of the examination to the President of the College.

9. Before the successful candidate receives his diploma he must deposit in the College Library a typewritten copy of his thesis, properly bound.

Courses of Instruction

Courses marked with an asterisk may be counted towards the Master's degree.

I. BIBICAL HISTORY AND LITERATURE

PROFESSOR CHEEK

All students of the College are required to take courses of study in the English Bible, securing eight credits in this subject before receiving a degree. The following courses will be given together with such new courses as may be developed:

1*a,b* *The Gospels*

An inductive study of the life of Christ. Texts, the Revised Version and Stalker's *Life of Christ.*

The Pauline Epistles

A study of several of the epistles. Stalker's *Life of Paul.* One hour, two semesters, Freshman year.

2*b* *Old Testament History*

The general course of the political, social and religious history of the Hebrews. Texts, the Revised Version and Blaikie's *Manual of Bible History.* Three hours, second semester, Sophomore year.

II. BIOLOGY

PROFESSOR RAINEY

MR. VAN ANTWERP, Assistant.

10*a* *Elementary Biology*

A study of the fundamental principles of biology, the properties of protoplasm, the structure and development of the cell, metabolism, growth and reproduction are discussed and laboratory study of forms illustrative thereof. Four hours, first semester.

10*b* *Vertebrate Zoology*

A study of the anatomy and physiology of the vertebrate animal accompanied by the dissection of the frog in the laboratory. Four hours, second semester.

13*a,b* *Mammalian Anatomy*

The dissection of the cat or rabbit is made the basis of this course. Comparative study of the structures of organs of other mammals accompany this dissection and particular attention is given to the osteology of the human form. Three hours, first and second semester. Given in 1919-20.

14*a* *Economic Entomology*

This course will include a study of the morphology and life history of such of the insecta as have a marked economic relationship to agricultural and sanitary science. It is intended primarily for such students as are expecting to study agriculture. The class will not be formed unless at least five students apply for it. Three hours, first semester.

15*b* *Plant Physiology*

This course includes a study of the life processes of plants and their relation to environment, as soil, atmosphere, water supply, etc. The same conditions apply as to course 14a. Three hours, second semester.

16*a* *General Bacteriology*

A general course in the study of bacteria. The preparation of culture media, and the general morphology and physiology of the schizomycetes. Three hours, first semester.

16*b* *Economic Bacteriology*

This course may be varied to meet the needs of the individual pupil. The emphasis may be placed: (1) On the sanitary aspects of the subject; (2) On its application to soils and agricultural processes; (3) On its relation to human pathology. Three hours, second semester.

17*a,b* *Histology*

In this course attention is given to the technique of the preparation of animal tissue for microscopical study. Study is also given to the morphology of elementary tissues, and to the structure of organs and systems of the animal body. Three hours, first and second semester. Given 1918-19.

19*a,b* *Evolution and Heredity*

A lecture course accompanied by assigned reading, on the evidences of the doctrine of organic evolution and the various theories of heredity. The topics of variation, adaptation and

other problems that arise in connection with evolutionary biology are discussed and considerable attention is given to their application to plant and animal breeding and to eugenics. Courses 10*a* and *b* are prerequisites. One hour, first and second semesters.

20 *Comparative Anatomy of the Nervous System**

The gross anatomy and microscopic structure of the central nervous system of the vertebrates, including the study of the brain structure of the perch, necturus, pigeon and sheep, and the structure of the spinal cord in representative forms. A course in general comparative anatomy is a prerequisite.

21 *Advanced Bacteriology**

Investigations in the subject, especially in its relation to sanitary problems and to economic questions.

III. CHEMISTRY

PROFESSOR COOLIDGE

MR. CARNAGEY AND MR. LOWE, Assistants

A deposit of two and one-half dollars ($2.50) is required of each student.

30*a,b* *General Chemistry*

This course deals with the fundamental principles of the science. Lectures, recitations, and laboratory work. Four hours throughout the year. Prerequisite, Physics 230*a,b*, or its equivlent.

31*a,b* *Qualitative Analysis*

A systematic study of the theory and practice of analysis. Three hours during the year. Prerequisite Chemistry 30*a,b*. Given in 1918-1919.

A course in the compounds of carbon primarily intended for those students who intend to pursue graduate study in science or medicine. Three hours throughout the year. Prerequisite, Chemistry 30*a,b*. Given in 1917-1918.

33 *Organic Preparations*

Additional laboratory work. May be taken with course 32. Three hours, either or both semesters.

34*a,b* *Elementary Quantitative Analysis*

Gravimetric, volumetric, and electrolytic analysis. Laboratory work, problems, and conferences. Three to six hours during the year. Prerequisite, Chemistry 31*a*.

35*b* *Physical Chemistry**

A course treating of the fundamental principles of physical chemistry. Three hours, second semester. Prerequisite, Chemistry 34*a*. Given 1919.

36*b* *Industrial Chemistry**

Lectures, conferences, and reports. Preparation of technical products and inorganic compounds in the laboratory. Three hours, second semester. Given in 1918. Prerequisite, Chemistry 32*a*.

37*a,b* *Advanced Quantitative Analysis**

Special methods in mineral, water, agricultural, and gas analysis. Hours and credit to be arranged. Prerequisite, Chemistry 34*a,b*.

38*a,b*—*Thesis Work**

A thesis embodying a review of the literature and the investigation of some problem. Primarily for graduates. Hours to be arranged.

IV. ENGLISH LANGUAGE AND LITERATURE

Professor Thomas

Mr. Ogden, Assistant

The department of English offers courses in English composition and rhetoric, in the historical study of the English language, and in English and American literature. These courses seek to develop a love of literature and a genuine appreciation of the scholarly spirit in literary work. The English classes are planned to encourage a student to read for himself, to give him broader views of the range of literary study, and to enable him to pursue specifically the study of some particular literary topic or period, or to follow in detail the development of some special category of literature.

60*a* *General Composition*

A practical course in writing, intended to teach correctness and clearness of expression, and to give practice in each of the

prose forms. Semi-weekly compositions. Regular appointments for individual criticism. Analysis of prose specimens. Impromptu writing in class occasionally.

All new students are expected to take this course unless there should be the clearest evidence of previous special preparation and attainment in the subject. Work done in English composition for entrance credit is in no way an equivalent of this course. Three hours, first semester, Freshman year. Required of all students.

60*b* *Composition and Literature*

Continuation, one recitation a week of 60*a*. Two recitations a week given to the study of American poetry. Three hours, second semester. Freshman year. Required of all students.

62*a* *General History of English Literature from the beginning through the period of Classicism in the 18 century.*

This course (in connection with 63*b*) gives a survey of the development of English literature from *Beowulf* to Tennyson. The work consists of the study of representative classics with lectures explanatory of their historical connection. Each student will also be required to hand in occasional essays and to keep appointments for criticism. Three hours, first semester, Sophomore year.

63*b* *General History of English Literature from the beginning of Romanticism to the present time*

Continuation of 63*a*. Three hours, second semester, Sophomore year.

66*a* *Public Speaking*

The construction and the delivery of speeches. Study of the various types of orations with analysis of representative examples. Three hours, first semester, Junior-Senior elective. Given 1917-18; alternates with 67*a*.

67*a* *Argumentation and Debate*

The principles of argumentation, regular practice in debating, and submission of briefs and written arguments. Three hours, first semester, Junior-Senior elective. Given 1918-19; alternates with 66*a*.

67*b* *Shakespeare and his Contemporaries*

First half of the semester given to Shakespeare's predecessors

and contemporaries, and second half to Shakespeare himself. Three hours, second semester, Junior elective.

68*a* *Restoration and Eighteenth Century Literature**

Discussion of the leading poets and prose-writers from Dryden to Burns. Three hours, first semester, Junior-Senior elective. Given 1917-18; alternates with 69*a*.

69*a* *English Prose of the Nineteenth Century**

Lectures on the men and movements of the period. Study of the chief prose-writers of the Romantic and Victorian eras. Three hours, first semester, Junior-Senior elective. Given 1918-19; alternates with 68*a*.

69*b* *English Poetry of the Nineteenth Century**

Lectures on the poetry of the period. Reading and study of the poems of Wordsworth, Coleridge, Byron, Shelley, Keats, Tennyson, Browning, and the Pre-Raphaelites. Three hours, second semester, Senior elective.

70 *Old English**

A study of the grammar and of selections of Old English prose and poetry. First semester.

71 *Advanced Old English**

A study of *Beowulf*. Reading of the whole poem. Attention to the philological side. Second semester.

V. GREEK

PROFESSOR REDD

In this department the aim is to enable the student to acquire such a knowledge of the language as is essential to a liberal classical education. Stress is placed not only upon a careful study of the Greek language, its forms and syntax, but also upon the ancient Greek literature, its unity and originality, and the development, relationship and characteristics of its successive periods. Written examinations on Greek history and other subjects connected with Greek life are held each month.

90*a,b* *Elementary Course*

This course is offered to those students who have not studied Greek, and yet desire to take the classical course. College credit is given for this course in the case of students who offer the full number of units required for admission to college but have not studied Greek. Four hours, both semesters.

91*a* *Selected Speeches of Lysias*

The grammar is carefully reviewed and the general principles of syntax are applied to class reading. Weekly exercises in translating from English into Greek, and monthly examinations in Greek history. Four hours, first semester.

91*b* *Homer's Iliad or Odyssey*

Grammar, prose, composition and history continued. Seymour's *Language and Verse of Homer;* Jebb's *Introduction to Homer.* Four hours, second semester.

93*a* *Plato's Apology and Crito*

Syntax, prose composition and history continued. A brief sketch of Greek Philosophy. Three hours, first semester.

93*b* *Demosthenes' On the Crown*

Syntax, prose composition and history continued. A study of the Attic orators, and of the social and political life of the Greeks. Three hours, second semester.

95*a* *Euripides**

A study of Greek drama and its influence. Jebb's *Primer of Literature.* Three hours, first semester, Junior elective.

95*b* *Sophocles**

Metrical analysis of the drama read. Haigh's *Attic Theatre.* Study of Greek drama continued. Three hours, second semester, Junior elective.

97*a* *Aeschylus**

With metrical analysis. Moulton's *Ancient Classical Drama.* Three hours, first semester, Senior elective.

97*b* *Thucydides**

A study of the development of Greek history. Three hours, second semester, Senior elective.

99*a,b* *Greek Literature*

A study of the masterpieces of Greek literature in English versions. This course will enable the student to appreciate the influence of Greek thought, Greek culture and Greek ideals upon the best in modern literature. A knowledge of the Greek language is not essential. Three hours, Senior elective. Not given 1918-19.

100*a,b* *New Testament Greek*

This course is offered especialy to those students who expect to prosecute the study further in theological seminaries. Three hours, Senior elective.

101 For admission to this course the completion of the undergraduate course in the Centre College or an equivalent, is necessary. There will be a thorough study of the syntax of mood and tense and advanced form composition. Readings from the Attic orators, the dramatists, and Thucydides. The selections will be varied from year to year. Greek history and literature. The private and public life of the Greeks. History of Athenian policies. Origin and development of the Greek drama. Metre and rhythm. Archæology. Every effort will be made to assist the student in his private studies.

VI. HISTORY

Professor Gronert

112*a,b* *European History*

The history of Europe from the fall of Rome to the Congress of Vienna (1815), with special emphasis on the development of the nations of western Europe after the disruption of the Carolingian Empire. Much attention is devoted to the institutions of the Middle Ages. Three hours, first and second semesters.

114*a* *The French Revolution and the Napoleonic Era*

A careful study is made of the fundamental causes and of the far reaching results of the Revolution. The effect of the imperial policy of Napoleon, both upon France and upon Europe is emphasized. Three hours, first semester; alternates with 112*a*.

114*b* *Europe in the Nineteenth Century*

An account of the formation of the present states of Europe with some attention to their governments. The relation of these with one another and with both the Near East and the Far East will be shown. Three hours, second semester; alternates with 122*b*.

116*a,b* *History of the United States*

The history of the United States from the period of colonization to the present. Special attention is given to the causes of the Revolutionary War, to the adoption of the Federal Constitution,

to political parties and to the causes and results of the Civil War. Three hours, throughout the year; alternates with 112*a*.

122*a,b* *Recent American History**

A study of the nation's development since the Civil War. Attention will be devoted to questions of tariff and finance in their relation to economic and industrial development. Three hours, first semester; alternates with 114*a*.

122*b* *Amerian Neutrality**

A study of American diplomacy, emphasizing the problems involved in our relations with Europe, South America and the Far East. Special attention is devoted to present day conditions. Three hours, second semester; arternates with 114*b*.

VII. LATIN

PROFESSOR CHEEK

130*a* *Selected Letters of Cicero and Cicero's De Amicitia*

In connection with the authors read there will be weekly exercises in prose composition and periodical examinations in Roman History. Four hours, first semester.

130*b* *Livy*

Prose composition and Roman History as in 130*a*. Four hours, second semester.

135*a* *Horace's Odes and Satires*

Prose composition and Roman History as in 130 *a*. Three hours, first semester, Sophomore year.

135*b* *Agricola of Tacitus, and two plays of Terence*

Prose composition and Roman History as in 135*a*. Three hours, second semester, Sophomore year.

140*a* *Annals of Tacitus and Satires of Juvenal**

Junior elective for those having completed the Latin of the Freshman and Sophomore years. Three hours, first semester.

140*b* *Comedies of Plautus**

Junior elective for those having completed the Latin of the Freshman and Sophomore years. Three hours, second semester.

141*a* *The Ethics of Cicero**

Senior elective for those having completed the Latin of the

Freshman, Sophomore and Junior years. Three hours, first semester.

141*b* *Poetry of the Augustan Age**

Senior elective. Reports to be made on assigned topics. Three hours, second semester.

VIII. MATHEMATICS

PROFESSOR CROOKS

Courses 150*a* and 150*b* are required of every candidate for a degree. A major in mathematics must include courses 150*a* 150*b*, 152*a,b* and 155*a,b*, and may not include 151*a*.

150*a* *Plane Trigonometry*

Special emphasis is placed upon the general definitions of the functions, the relations of the functions, the reduction of trigonometric functions, the solution of trigonometric equations, and the development of formulæ. Much time is given to the solution of triangles. Four hours, first semester.

150*b* *Algebra*

The subjects treated are functions and their graphs, the binomial theorem for negative and fractional exponents, partial fractions, permutations and combinations, determinants, the theory of equations and the solution of numerical equations. Four hours, second semester.

151*a* *Solid and Spherical Geometry*

This course is given to meet the needs of students who did not offer this subject for entrance credit, and is given college credit only in the case of those who met the full requirement of fifteen units at the time of entering college. Two hours, first semester.

152*a,b* *Plane Analytic Geometry*

The course begins with the construction of many curves from their equations. This is followed by a study of the straight line, the circle, the conic sections, parametric equations of loci, empirical equations, problems on loci, and the general equation of the second degree. Elective for students who have credit for 150*a* and 150 *b*. Two hours, throughout the year.

154*a* *Advanced Algebra*

Convergence of infinite series, operations with infinite series exponential and logarithmic series, determinants and the theory

of equations. Elective for students who have credit for 150*a* and 150*b*. Two hours, first semester.

154*b* *Spherical Trigonometry*

Open to students who have credit for 150*a* and *b*. Two hours, second semester.

155*a,b* *Calculus*

The differentiation of functions of a single variable, successive differentiation, maxima and minima, tangents and normals differentiation of functions of several variables, partial differentiaton. Method of integration, integration a process of summation, definite integrals, rectification of curves, areas, volumes, surfaces. Elective for students who have credit for 150*a,b*. Three hours, throughout the year.

156*a* *Advanced Calculus**

The general theorems of Leibnitz, Taylor, and Euler; general methods of integration, multiple integrals, geometric applications and an introduction to differential equations. Elective for students who have credit for 152*a,b* and 155*a,b*. Three hours, first semester.

157*a,b* *Plane and Solid Analytic Geometry**

Elective for students who have credit for 152*a,b* and 155*a,b*. Two hours, throughout the year.

158*a,b* *Differential Equations**

Ordinary and partial differential equations. Elective for students who have credit for 155*a,b*. Two hours, throughout the year.

163*b* *Astronomy*

This course is mainly descriptive and historical. Its purpose is to give the student a knowledge of the facts and principles of the science and make him acquainted with the instruments and methods by which they have been discovered and deduced. The recitations are supplemented by observations of the heavenly bodies. The student is also taught how to locate the principal stars and constellations. A knowledge of physics and trigonometry is essential. Three hours, second semester, Junior-Senior elective.

IX. MODERN LANGUAGES AND LITERATURE

Professors Meier and Redd

In the Modern Language reading-room adjoining the department recitation room in the Main Building, the student will find ample facilities for investigative work. Large additions of valuable reference works have been imported during the past years. The reading-room is also equipped with European weekly and monthly periodicals, both philological and literary. The student is thus afforded excellent opportunity to supplement his studies by putting himself in touch with the march of modern European thought.

GERMAN

The purpose of the work of the first year is to secure a thorough knowledge of the fundamental principles of the German language and to acquire an extended vocabulary. In order that the student may acquire the ability to understand spoken German and to *think* in German, the work, in the class-room, is carried on in German, as far as practicable, and prose compositions, consisting largely of reproduction of things read in German, is made an important feature of the work.

After the first year the aim is to familiarize students with the best German literature, and at the same time constantly to afford practice in the oral and written acquisition of the language. In the second year the work is largely carried on in German, and after the second year entirely so.

If any course in German is elected, it must be continued throughout the year.

170*a* *Elementary German*

Elements of the language. Translation of German into idiomatic English. Careful drill on pronunciation. Daily exercise in composition. Four hours, first semester.

170*b* *Elementary German*

Continuation of 170*a*. Rapid reading for the purpose of equipping the student with an extended vocabularly. Review of grammar based on short daily exercises in composition. Easier syntactical problems mastered. Class criticism by students. Four hours, second semester.

171*a* *Intermediate German*

Rapid reading of stories by Wildenbruch, Seume, Fulda, Freytag, Dahm, etc. Review of elements of grammar continued by daily composition and memorizing. Introduction to abstruser problems of syntax. Three hours, first semester.

171*b* *Introduction to the Dramatists*

Schiller's *Wilhelm Tell* or *Die Jungfrau von Orleans,* and some work of Goethe. Conversation and composition continued as above. Three hours, second semester.

172*a**

Sudermann, one drama and one novel read in class. Each student should read and review one of his works outside of class. Three hours, second semester.

172*b**

Freytag's *Der Rittmeister von Alt-Rosen,* or Scheffel's *Ekkehard* (abbreviated edition), and Goethe's *Meisterwerke* (Bernhardt). Each student reads and reviews one other work of either Freytag or Scheffel outside of class. Three hours, second semester.

173*a* *Scientific German**

The aim of this course is to afford students of the sciences an acquaintance with technical scientific nomenclature and style. Translations of German scientific texts and articles in current technical periodicals. Two hours, first semester. Open to students who have had at least two years of college German.

174*b* *Conversational German*

Drill in composition and conversation; short talks by students on selected subjects, and a survey of German life and institutions. Two hours, second semester. Open to students who have had German 171 or its equivalent.

175*a**

Shiller's *Wallenstein,* the complete trilogy, and portions of Schiller's *Thirty Years' War* having bearing on the drama. Goethe's *Faust.* Part one, begun. Three hours, first semester.

175*b**

Geothe's First Part of *Faust* completed. Brief survey of the Second Part, and also a brief survey of German Literature. Texts: Moore and Keller. Three hours, second semester.

176*a*

Lessing and the beginning of modern German classical literature. At least two of his dramas are read in class, and other works of his of this period outside of class. Three hours, first semester.

176*b* *Meisterwerke des Mittelalters**

Three hours, second semester.

FRENCH

185*a* *Elementary French*

Thorough drill on the elements of the grammar. Careful exercise in pronunciation. Daily exercise in composition. Dictation. Four hours, first semester.

185*b* *Elementary French*

Rapid reading of easy prose. Grammar continued by means of composition work daily. Sight reading. Four hours, second semester. Courses 185*a,b* are regularly supplemented by collateral reading and examinations.

186*a* *French Prose of the Nineteenth Century*

Dumas *père*. Mérimere, Michelet, Verne, Loti, etc. Grammar, Composition. Three hours, first semester.

186*b* *French Literature of the Seventeenth Century*

Corneille, Racine, Molière, Bossuet, La Fontaine, Mme. de Sévigné, etc. Collateral reading. Three hours, second semester.

187*a* *French Literature of the Eighteenth Century**

Voltaire, Diderot, LeSage, Rousseau, Montesquieu, etc. Parallel reading. Reports. Three hours, first semester.

187*b* *The Sixteenth Century**

The period of transition. Marot, Ronsard, Rabelais, Montaigne and other representative writers of the Renaissance. Three hours, second semester.

188*a* *Scientific French**

Translations of French scientific texts and articles in current technical periodicals. Two hours. first semester.

188*b* *Conversational French**

Drill in easy composition and in conversation, short talks by students on selected subjects and a survey of French life and customs. Two hours, second semester.

SPANISH

195*a* *Elementary Spanish*

Grammar. Composition. Pronunciation. Reading of easy prose. Three hours, first semester.

195*b* *Elementary Spanish*

Rapid reading of more difficult prose by standard modern authors. Composition. Three hours, seond semester.

196*a* *Introduction to Spanish Prose Writers*

Rapid reading of more difficult prose—Valera, Galdos, etc. Two hours, first semester.

196*b* *Cervantes. Don Quixote**

Study of his life and works. Collateral reading and reports. Two hours, second semester.

X. PHILOSOPHY AND EDUCATION

Philosophy, PROFESSOR TURNER

Education, PROFESSOR MEIER

220 *Psychology*

The course covers the main topics of the subject, sensation, perception, attention, association, reasoning, impulse, instinct emotion, volition, the self. The educational aspects of the subject are made prominent and the course serves as a transition to philosophy. Three hours throughout the year.

221 *Logic*

The laws of thought. The problems, methods and principles of deductive and inductive logic. Elective for Juniors and Seniors. Three hours, one semester.

222 *Ethics*

The main types of ethical theory. Discussion of problems. Elective for Seniors. Three hours, one semester.

223 *History of Philosophy*

I. From Thales to Plotinus. II. The rise and decadence of Scholasticism. III. The development from Bruno to Nietzsche, with discussions of present philosophical tendencies and problems. Elective for Seniors and Graduates. Three hours, one year.

224 *Contemporary Philosophy*

Readings and discussions in Pragmatism, Realism, and other phases of modern philosophy. Elective for Seniors and Graduates. Two or three hours, one year.

225 *The Philosophy of Religion*

Lectures. Three hours, one semester.

226 *History of Education*

A general survey of educational development in theory and practice. Readings from educational monographs. Discussions. Elective for Juniors and Seniors. Three hours, one semester.

227 *The Organization and Administration of Education*

A study of the organization, administration and supervision of public education in typical developments of American education. A special study of secondary education. Elective for Seniors. Three hours, one semester.

228 *Theory and Practice of Teaching*

The foundation of methods. The study and application of educational principles. Organization of schoolroom conditions; preparation of schedule for day and week; use of text-book, reference books, etc. Elective for Juniors and Seniors. Three hours, one semester.

XI. PHYSICAL EDUCATION

MR. MYERS AND MR. GREEN

Physical education is quite important in modern plans for higher education, influencing the capacity for mental effort. The department undertakes to give to each student instruction and supervision in physical training, that he may intelligently enter into such exercises as are best fitted to his own personal needs

At the opening of the college session he is given a thorough physical examination and is then advised as to the activities of the department for which he is best fitted. The work is offered in regularly organized classes, the hygienic, corrective, recreative, and competitive phases of the work being taken up in detail.

The indoor work is conducted in the Boyle-Humphrey gymnasium. The outdoor work is done on the Logan Cheek Athletic Field at the south end of the campus. Here there is adequate opportunity for football, baseball and track athletics. Interclass

contests in these sports, as well as intercollegiate games, give all who so wish, an opportunity to engage in competitive athletics. The football squad begins practice at the beginning of the first semester and continues the same until Thanksgiving. Basket ball follows through the winter months. Baseball work begins as soon as the weather permits in the spring. Track work also receives attention, both indoor and outdoor work occupying the time from the close of the Christmas recess until June.

For the purposes of this department the college year is divided into three seasons, *Fall*—September, October and November, *Winter*—December, January, February and March, *Spring*—April, May and June. During the Fall and Spring all activities in physical education are conducted out of doors in so far as the weather will permit. Regular indoor exercise is confined to the winter months.

230*a* *Physical Education*

Coaching and competition in cross-country running, soccer football, tennis, track and field athletics. Required of all Freshmen and Sophomores. One hour (twice a week), Fall.

230*b* *Physical Education*

Elementary marching, floor tactics, and class evolutions; free exercises and dumb bell drills introducing both hygienic and corrective work; simple apparatus and mat exercises; balance and fancy steps; relay racing; simple gymnastic games; indoor athletics.

The work is all elementary in order to develop obedience and ready response to command, accurate execution, good form and carriage and facility of control. Strength, endurance and coordination are brought into play. Only fundamental and larger accessory movements are used and these affect chiefly the larger muscle groups and the organs of circulation and respiration. Required of all Freshmen. One hour (twice a week), Winter.

231*b* *Physical Education*

Advanced marching, floor tactics, and class evolutions; heavy gymnastics; tumbling; basket ball; volley ball; medicine ball and gymnastic games; indoor athletics.

The work in this term is planned to secure a further development of self-control, self-reliance, self-respect, courage, team

work, loyalty, and the courtesy of sport, in addition to those anatomical physiological, and practical hygienic objects that are in view throughout the course. Required of all Sophomores. One hour (twice a week), Winter.

231c *Physical Education*

Coaching and competition in baseball, soccer football, tennis, and track and field athletics. Required of all Freshmen and Sophomores. One hour (twice a week), Spring.

Voluntary Classes

These are organized at such times of the day as do not conflict with the required work. They are open to all students without credit. A large part of the time is devoted to recreative work, although opportunity is given for special and advanced work.

XII. PHYSICS

PROFESSOR SMITH

MR. LAWRENCE, Assistant

Students will be required to begin their college work in physics with Course 240, unless they have completed an elementary study of the subject of such extent and character as to enable them to take more adanced work with profit.

240*a* *Mechanics and Heat*

The laws of motion; properties of matter; mechanics of gases and liquids; the fundamental laws and phenomena of heat; thermometry and calorimetry. Recitations, lectures and laboratory work. Four hours, first semester.

240*b* *Electricity, Sound and Light*

Magnetism; static electricity; electric currents; wave motion; the physical basis of music, and the simpler phenomena of light. A continuation of the preceding course. Four hours, second semester.

Courses 241-243 are of a more advanced character than the preceding. About one-half the time is devoted to a set of laboratory experiments illustrative of fundamental principles and suitable for accurate measurements. Students electing these courses are required to have had course 240 or its equivalent. Chemistry should be taken either before or at the same time with these courses.

241*a* *Mechanics and Molecular Physics*

A study of uniformly accelerated and simple harmonic motion; rotatory motion; elasticity; surface tension; hydrostatics and hydraulics. Three hours, first semester.

241*b* *Heat*

Thermometry; calorimetry; thermal conductivity; the kinetic theory of gases, and the fundamental laws of thermodynamics. Three hours, second semester.

242*a* *Electricity and Magnetism*

Accurate measurements of the principal electric and magnetic quantities, including strength of field, potential difference, resistance, current, capacity, inductance and permeability. A study of the different systems of electrical units and the relation between them. Three hours, first semester.

242*b* *Sound and Light*

The theory of wave motion; interference and diffraction of sound and light waves; measurements with the spectrometer diffraction grating and polariscope. Three hours, second semester.

243*a* *Electrical Waves and Wireless Telegraphy**

A course of lectures and laboratory work upon the theory and present commercial practice of wireless telegraphy. Three hours, first semester.

244*b* *Electrical Theory**

An advanced course of lectures on the recent development of the subject, including the discharge of electricity through gases. The electron theory and radioactivity. Three hours, second semester.

245*a* *Physical Manipulation*

A course for students who expect to become teachers of physics or to take up advanced work in the subject. The course is designed to give the student facility in preparation of materials and apparatus for the laboratory. Practice is given in the blowing, cutting, drilling, grinding and silvering of glass; the purification of mercury, and in the preparation of various laboratory materials; also in soldering, screw-cutting and elementary lathe work. Two hours, first semester.

246*a,b* *Theoretical Mechanics**

A mathematical course based on Hoskin's *Theoretical Mechanics*. The methods of calculus are used throughout the course. Three hours, first and second semesters.

247*b* *Photometry*

A laboratory course supplemented by occasional lectures, involving the determination of candle-power and efficiency of various commercial gas, incandescent and arc lamps. Three hours, second semester.

248*a,b* *Direct and Alternating Current Machines**

A study of the fundamental principles of direct and alternating current dynamos and motors, and transformers, with an introduction to their practical operation and testing. Three hours, first and second semesters.

249*a,b* *Mechanical Drawing*

In order to meet the needs of students who are expecting to take up engineering, agricultural or scientific work, a course is offered embodying the essential elements of mechanical drawing. About six hours per week is spent on the work in the drawing room and no outside preparation is required. Two hours, first and second semesters.

XIII. POLITICAL ECONOMY AND POLITICAL SCIENCE

Professor Gronert

260*a* *Principles of Economics*

The fundamental principles of economics are emphasized. This course is intended as a preparation for the more advanced courses. Three hours, first semester. Alternates with 261*a*. Given 1917-18.

260*b* *Money and Banking*

The origin and principles of money. Monetary history of the leading nations and especially of the United States. The principles of credit and banking. The history of banking in the United States, with a brief account of the banking systems of the more important foreign countries. Three hours, second semester; alternates with 261*b*.

261*a* *Industrial Management*

A study of the problems of modern business organization and

management. Special attention is given to questions of management equipment and labor force. Three hours, first semester; alternates with 260 *a*.

261*b* *Transportation*

A discussion of the railroad problem in the United States. Rate-making, combination, government ownership and the service of the Interstate Commerce Commission with reference to railroads are some of the topics considered. Also a study of transportation and communication by other means than by steam railroads. Three hours, second semester; alternates with 260*b*.

262*a* *Political Science*

A general outline of the nature of the state, followed by a study of the rise and growth of political institutions. A careful examination will be made of the organization and actual working of the governments of the United States, England, Germany, France and Switzerland. Three hours, second semester. Follows course in Constitutional History of England (117*a*).

262*b* *Business Law*

A study of the fundamentals of business law, with special reference to the practical questions of contract law, deeds, mortgages, negotiable instruments, etc. Three hours, second semester. Given 1919-20.

263*b* *Labor Problems*

A study of the status of labor in the principal industrial nations. Attention is devoted to such subjects as the factory system, labor unions, strikes, boycotts, and arbitration, with special reference to the United States. Three hours, second semester.

DEGREES CONFERRED IN JUNE, 1917

BACHELOR OF ARTS

Stanley Smith Dickson ---------- Paris
Hugh Francis Montgomery Hoss ---------- Johnson City, Tenn.
Edwin Walker Powell ---------- Richmond
Robert Stokes Tyler ---------- Danville
Gladstone Wesley ---------- Somerset
Donald Lansdale Wood ---------- Maysville

BACHELOR OF SCIENCE

Frederick Burns Caldwell ---------- Danville
Willliam Bruce Montgomery ---------- Danville
Brink Coleman Renick ---------- Paris

MASTER OF ARTS

Charles Rice McDowell ---------- Danville

DOCTOR OF LAWS

W. Francis Irwin ---------- Irvington-on-the-Hudson, N. Y.
William Jennings Price ---------- Panama City, Panama

DOCTOR OF DIVINITY

Henry Nichols Faulconer ---------- Baltimore

MASTER OF ARTS

George William Jean ---------- New York City

PRIZEMEN, 1917-18

THE ORMOND BEATTY ALUMNI PRIZE

Gladstone Wesley ---------- Somerset

THE HENRY BARRET BOYLE LATIN PRIZE

Robert Francis Ogden ---------- Ashland

THE ORATORICAL PRIZES

Inter-Society Contest—John Frank McWhorter ---------- Springfield
Prohibition Contest—John Frank McWhorter ---------- Springfield

THE WILLIAM ERNST PRIZE

William Douglas Chamberlain ---------- Glasgow
Robert Stokes Tyler ---------- Danville
Gladstone Wesley ---------- Somerset

VALEDICTORY

Hugh Francis Montgomery Hoss ---------- Johnson City, Tenn.

LIST OF STUDENTS

Senior Class

Alexander, Harvey Johnson ---------- Fulton
Ardery, John Breckinridge ---------- Paris
Carnagey, John Albert, Jr. ---------- Danville
Cooper, James Cooke ---------- Stanford
Hamanaka, Koshin ---------- New York City
Lowe, Alfred J. ---------- Fulton
McWhorter, John Frank ---------- Springfield
Marsh, Fred Owsley ---------- Danville
Tate, Thomas Bracken ---------- Danville
Winebrenner, Samuel Wiener ---------- Frederick, Md.

Junior Class

Allen, Frank Talbot ---------- Sharpsburg
Barber, Alexander Hamilton ---------- Springfield
Browning, Charles Armstrong ---------- Danville
Coleman, James Fox ---------- Gracey
Fithian, George White ---------- Paris
Gentry, Julian Thomas ---------- Danville
Hill, Joseph Wolf ---------- Stanford
Joplin, George Adams ---------- Louisville
Lawrence, Eugene Caldwell ---------- Parksville
Ogden, Robert Francis ---------- Ashland
Penn, Joe Ferris ---------- Trenton, Tenn.
Reid, Forestus, Jr. ---------- Danville
Turner, Joseph Lynn ---------- Danville
Wesley, William McKinley ---------- Bethelridge

Sophomore Class

Bullitt, Hugh Kennedy ---------- Louisville
Chamberlain, William Douglas ---------- Glasgow
Cheek, Samuel Robertson, Jr. ---------- Danville
Davis, John Allen ---------- Danville
Diddle, Edgar Allen ---------- Adairville
Dunn, Joel Baughman ---------- Danville
Durham, Milton Webster ---------- Indianapolis, Ind.
Felix, George Doniphan ---------- Augusta

Gilbert, Stephen A. ---------- Newfound
Harkins, Walter Scott ---------- Prestonburg
McMillin, Reuben Thomas ---------- Fort Worth, Texas
McMurry, Johnson Burns ---------- Sturgis
Mathias, Robert David ---------- Fort Worth, Texas
Mitchell, Garnett McRoberts ---------- Perryville
Moore, Eugene Robinson ---------- Danville
Pryor, William Marshall ---------- Crestwood
Stallings, William Marshall ---------- Humboldt, Tenn.
Sterrett, James Reid, Jr. ---------- Lebanon
Stout, Richard Helm ---------- Danville
Thomas, Edwin Kerr ---------- Paris
Van Antwerp, Howard, Jr. ---------- Farmers
Wesley, Ned Grandison ---------- Bethelridge

Freshman Class

Allen, Jack ---------- Danville
Anderson, Sidney Johnson ---------- Midway
Armstrong, Philip Norris ---------- Fort Smith, Ark.
Barnett, William Andrew ---------- Harrodsburg
Bell, William Madison ---------- Fort Worth, Texas
Bishop, Sanford Thompson ---------- Bloomfield
Boswell, William ---------- Fort Worth, Texas
Brown, John Young ---------- Sturgis
Bryan, William Bell ---------- Stanford
Burbank, Whitmer ---------- Anchorage
Cannon, Vivion Payne ---------- Columbia, Mo.
Case, Wiliam Loren ---------- Springfield
Cassell, Roger Neat ---------- Versailles
Chenault, Carroll Custis ---------- Mt. Sterling
Cornell, James Hardin ---------- Louisville
Daniel, James William ---------- Mt. Sterling
Dedman, Thomas Ashbrook ---------- Cynthiana
Dilehay, Edward Russell, Jr. ---------- Danville
Dunbar, Sidney Lee ---------- Lebanon
Durham, James ---------- Lebanon
Eads, John Trimble ---------- Decatur, Ill
Earles, Theodore ---------- Campbellsville
Eaton, William Park ---------- Ashland
Eldridge, John ---------- Paint Lick

Esrey, Niles Orr ---------- Columbia, Mo.
Fox, Irvine ---------- Danville
Gay, John Woodford ---------- Winchester
Gooch, Brinkley R. ---------- Somerset
Hambleton, George Forrest ---------- Springfield
Harris, Jesse Carleton ---------- Mayfield
Henderson, Raymond Fitch ---------- Vanceburg
Hieronymus, Marcus Benjamin ---------- St. Helens
Hotchkiss, William Edgar ---------- Courtland, Ala.
Hughes, James Taylor ---------- Danville
Irvine, Joseph Bruce ---------- Danville
James, William Nelson ---------- Wautauga, Texas
Jones, Lee Goebel ---------- Campbellsville
Joplin, Thomas Vaughan ---------- Louisville
Kavanaugh, William Lackey ---------- Lancaster
Killough, Richard ---------- Trenton, Tenn.
Lowenthal, Herman Edward ---------- Somerset
Lowndes, Richard Tasker, Jr. ---------- Danville
McBrayer, Harvey Dewey ---------- Lawrenceburg
McDonald, Thaddeus Vinson ---------- Fort Worth Texas
McGee, John Bedford ---------- Bloomfield
McMillin B. Alvin ---------- Fort Worth, Texas
Marshall, Burwell Keith ---------- Louisville
Moran, Tom McGee ---------- Horse Cave
Morgan, Oscar ---------- Emmalena
Morris, Pat ---------- Murray
Owen, Russell ---------- Kansas City, Mo.
Phillips, William Kendrick ---------- Louisville
Radford, Pryor ---------- Mayfield
Ragsdale, Maurice ---------- Paducah
Reid, Virgil Bowman ---------- Danville
Rider, James Clarence Brown ---------- Elizabethtown
Robbins, Augustus ---------- Augusta
Robinson, Zan ---------- Lancaster
Taylor, Earl Fogle ---------- Danville
Walden, William Julian ---------- Danville
Wayland, Herman Russell ---------- Columbia, Mo.
Weaver, James Redwich ---------- Fort Worth Texas
Wesley, Joseph Vincent ---------- Somerset
Wheeler, Raymond Homer ---------- Midway
Yeager, Allen Carter ---------- Danville

INDEX

Accredited Public High Schools----38
Admission, Requirements for----44
Advanced Standing, Admission to----53
Advisers ----16
Alumni Prize ----35
Astronomy, Course in----68
Athletics, Faculty Committee on----15
Bachelor of Arts, Requirements for Degree of----54
Bachelor of Science, Requirements for Degree of----54
Beatty Alumni Prize----35
Biblical History and Literature, Courses in----58
Biology, Courses in----58
Biology, Laboratory for ----31
Board and Rooms, Cost of----19-21
Board of Trustees---- 9
Board of Trustees, Standing Committees of----10
Botany, Requirement for Admission----52
Boyle Prize ----35
Breckinridge Hall ----19-27
Calendar, College, for 1918-19----13
Certificate, Admission on----36
Chemistry, Courses in----60
Chemistry, Laboratory for----29
Chemistry, Requirements for Admission----60
Classification ----20
Committees, Standing of—
Board of Trustees----10
Faculty of Centre College----15
Correspondence ---- 5
Degrees, Conferred, June, 1917----79
Degrees, Requirements for—
Bachelorof Arts ----54
Bachelor of Science ----54
Master of Arts----56
Diploma Fee—See Expenses

Dormitories ---------- 19-21
Drawing, Requirements for Admission ---------- 53
English, Courses in ---------- 61
English, Requirements for Admission ---------- 45
Ernst Prize ---------- 35
Estimate of Annual Expenses ---------- 23
Ethics, Courses in ---------- 72
Examinations, Statements Concerning ---------- 32
Expenses ---------- 21
Faculty ---------- 14
Fees ---------- 22-23
Foreword ---------- 6
French, Courses in ---------- 71
French, Requirement for Admission ---------- 50
German, Requirement for Admission ---------- 49
German, Courses in ---------- 69
Graduate Studies, Faculty Committee on ---------- 15
Greek, Courses in ---------- 63
Greek, Requirement for Admission ---------- 49
History, Courses in ---------- 65
History, Requirement for Admission ---------- 51
Honor Points ---------- 55
Laboratories for—
 Chemistry ---------- 29
 Physics ---------- 30
 Biology ---------- 31
Latin, Courses in ---------- 66
Latin, Requirement for Admission ---------- 49
Library ---------- 28
Literary Societies ---------- 25
Logic, Courses in ---------- 72
Master of Arts, Requirement for Degree of ---------- 56
Mathematics, Courses in ---------- 67
Mathematics, Requirement for Admission ---------- 48
Modern Language, Courses in ---------- 69
Museum ---------- 32
Number of Hours ---------- 54
Officers of Administration ---------- 10
Oratorical Prize ---------- 35
Organization, Student ---------- 24
Philosophy, Courses in ---------- 72

Physical Education ---- 73
Physical Geography, Requirement for Admission ---- 52
Physics, Courses in ---- 75
Physics, Laboratory for ---- 30
Physics, Requirement for Admission ---- 52
Physiology, Requirement for Admission ---- 52
Political Economy, Courses in ---- 77
Prizemen, 1916-17 ---- 79
Prizes ---- 35
Psychology, Courses in ---- 72
Publications, Student ---- 23
Reports of Scholarship ---- 33
Requirements for Degrees—
 Bachelor of Arts ---- 54
 Bachelor of Science ---- 54
 Master of Arts ---- 56
Rooms and Boarding ---- 19-20
Round Table ---- 25
Scholarships ---- 24
Shop Work, Requirement for Admission ---- 53
Spanish ---- 72
Student Organizations ---- 24
Students, Catalogue of ---- 80
Trustees, Board of ---- 9
Undergraduate Studies, Faculty Committee on ---- 15
Zoology, Requirement for Admission in ---- 53
Young Men's Christian Association ---- 24

UNIVERSITY OF ILLINOIS-URBANA
3 0112 111529746